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Little Falcon.

Falco Sparverius, LINN.

M. Griffith Pinxt. R. Murray Sc.t

The Animales of North America
by
John Reinhead Forster
2819-213

A

CATALOGUE

OF THE

ANIMALS

OF

NORTH AMERICA.

CONTAINING,

An Enumeration of the known QUADRUPEDS, BIRDS, REPTILES, FISH, INSECTS, Cruſtaceous and Teſtaceous ANIMALS; many of which are New, and never deſcribed before.

To which are added,

SHORT DIRECTIONS

FOR

COLLECTING, PRESERVING, and TRANSPORTING,

all Kinds of

NATURAL HISTORY CURIOSITIES.

By JOHN REINHOLD FORSTER, F.A.S.

Non ad unam Natura formam opus ſuum præſtat; ſed in ipſa varietate ſe jactat.

SENECA, Quæſt. Nat. VII. 27.

LONDON:

Sold by B. WHITE, at Horace's Head, in Fleet-Street.

M.DCC.LXXI.

TO

MARMADUKE TUNSTALL, Esq.

Dear SIR,

THE repeated favours *You* were so kind to bestow upon me, in the compass of a short acquaintance, and the zeal with which *You* promote the great cause of Natural History; encouraged me to prefix *Your* Name to this Publication, and give me an opportunity, thus publicly, to acknowledge the assistance *Your* benevolent and generous friendship favoured me with.

Nothing is left to me, but the simple mention of thanks; and my sincere wishes for *Your* health, happiness, and the enjoyment of every intellectual and moral blessing. I am, with the truest regard,

Dear SIR,

your most obliged,

obedient,

humble Servant,

London, April 24, 1771.

JOHN REINHOLD FORSTER

To the READER.

I Had hinted in the Preface to the third volume of *Kalm*'s Travels, that I could publiſh but an imperfect and ſmall catalogue of *North American* animals; and therefore declined to give it. Since that time, I have been preſſed by ſome worthy friends to publiſh that catalogue, ſuch as it is; and what is ſtill more, I have been favoured with ample materials by a Gentleman, who is forming a collection for a Natural Hiſtory of *North America*, and hopes by this to incite the inquiſitive and learned reſident in that country, to ſearch, and to tranſmit to their friends in *England*, the productions of their ſeveral provinces. The Zoology of the firſt four claſſes of animals in *Great Britain*, has been very accurately and compleatly publiſhed; that of the country of the deſcendants of *Great-Britain* ought with moſt propriety to follow, as it intereſts the Mother Country moſt. Theſe reaſons had a great weight with me; and I offer this ſmall catalogue merely as an eſſay towards forming a more compleat Natural Hiſtory of that extenſive continent. To inſtruct the Collectors, I have added to this liſt ſome ſhort directions for the beſt method of preſerving and tranſporting the various ſubjects of Natural Hiſtory.

The Quadrupeds of this liſt are referred to the Synopſis of Quadrupeds of Mr. *Pennant*; the Birds, Fiſh, Reptiles, Inſects, and Cruſtacea, to *Linnæus*, *Briſſon*, Mr. *Edwards*, and

and *Cateſby*; ſome few excepted, which are referred to the *Planches enluminées*, publiſhed at *Paris*, and marked here *Pl. enl.* ſo as *Cateſby* with a ſingle *C.* and thoſe which are common to *Great Britain* and *America*, to the *Britiſh* Zoology.

The Animals which have recently been diſcovered in *North America*, or overlooked by Mr. *Cateſby*, are diſtinguiſhed by *N. S.* marking a *New Species*; and by *B.* and *Muſ. Bl.* The firſt authority is from a Collection formed by a Gentleman in his voyage to *Newfoundland*; the ſecond, from a moſt ſelect and numerous Collection of *American* Animals, belonging to a Lady in *Lancaſhire*.

The New Species, in the Catalogue of Birds, I had leave to inſert here from Mr. *Pennant*'s manuſcript; and thoſe of Inſects are taken from my own manuſcript deſcriptions of ſuch Inſects as were not deſcribed by Dr. *Linnæus*.

The print prefixed here repreſents an elegant little Falcon, drawn and engraved from a fine ſpecimen lately brought over from *North America*.

N. B. *The Animals marked* E *are of* European *Origin*; *having been introduced there by the* Spaniards *or* Engliſh, *after the diſcovery of the New World: and thoſe marked* Eur. *are originally natives of both Continents.*

CLASS I. QUADRUPEDS.

DIV. I. HOOFED.

SECT. I. WHOLE HOOFED.

Genus.			syn. quad.
I. HORSE	Generous	*E.*	N° 1
	Asſs	*E.*	3

SECT. II. CLOVEN HOOFED.

II. SHEEP	Common	*E.*	8
III. GOAT	Domeſtic	*E.*	p. 14
IV. DEER	Elk, or Mooſe,	*Eur.*	N° 35
	Rein	*Eur.*	36
	Stag	*Eur.*	38
	Virginian	N. S.	39
	Roe?		43
V. HOG	Common	*E.*	54

DIV. II. DIGITATED QUADRUPEDS.

VI. DOG	Faithful	*E.*	N° 110
	Wolf	*Eur.*	111
	Fox	*Eur.*	112
	Arctic	*Eur.*	113
	Grey		114
	Silvery		115
VII. CAT	Brown		129
	Common	*E.*	133
	Lynx	*Eur.*	135
	Bay Lynx	N. S.	136

VIII. Bear	Black	*Eur.*	138
	Polar		139
	Wolverene	*Eur.*	140
	Raccoon		141
IX. Badger	American	N. S?	143
X. Opossum	Virginian		144
XI. Weesel	Stoat	*Eur.*	N° 151
	Pine Martin	*Eur.*	155
	Fiſher	N. S.	157
	Pekan and Viſon		
	Striated		166
	Skunk		167
XII. Otter	Greater	*Eur.*	173
	Leſſer	*Eur.*	174
	Sea		175
XIII. Hare	Common	*Eur.*	183
	Alpine	*Eur.*	184
	Rabbet	*E.*	285
XIV. Beaver	Caſtor	*Eur.*	190
	Muſk		191
XV. Porcupine	Canada		196
XVI. Marmot	Maryland		198
	Quebec	N. S.	199
XVII. Squirrel	Common	*Eur.*	206
	α Hudſon's Bay		
	Grey		209
	Black		210
	β Cat		
	Ground		216
	Flying	*Eur.*	221
	β hooded		
XVIII. Rat	Black	*E.*	226
	Brown?		227
	Water	*Eur.*	228
	Mouſe	*E.*	229

	Field	*Eur.*	230
	Short-tailed	*Eur.*	233
XIX. Mole	β. yellow		p. 312
	Radiated		N° 243
	Long-tailed	N. S.	244
	Brown		245
XX. Walrus	Arctic		N° 263
XXI. Seal	Common	*Eur.*	265
	Great	*Eur.*	266
	Rough	N. S.	267
	Hooded	N. S.	268
	Harp	N. S.	269
	Little	N. S.	270
	Urfine		271
	Leonine		272
XXII. Manati	Manati		273
XXIII. Bat	New York	N. S.	283
	Long haired	N. S.	p. 367

CLASS II. BIRDS.

DIV. I. Land Birds.

SECT. I. Rapacious.

I. Vulture.	Carrion. V. aura. 122. C. I. 6.	
II. Falcon	Bald Eagle	F. leucocephalus. C. I. 1.
	Sea	F. offifragus. in exhibitions
	Ringtail	F. Fulvus. *Edw.* I.
	Black-bellied	N. S.
	White	*Du Pratz*, II. 75.
	Ofprey	F. Haliaëtus. C. I. 2.

Gentil

	Gentil Falcon	F. gentilis *Mr. B*
	Goſhawk	F. palumbarius. *Lawſon*
	Aſhcoloured	*Edw.* 53.
	Sacre	*Mr. B. de Buffon*
	Winter	N. S. *Muſ. Bl.*
	Duſky	*Edw.* 3. 4.
	Rough-footed	N. S. *Mr. B.*
	Chocolate	N. S. *do.*
	Marſh	*Edw.* 291.
	Buzzard	F. Buteo. *Mr. B.*
	White-rump'd	F. Hudſonius. *Edw.* 107.
	Fork-tail	F. furcatus. C. I. 4.
	Pigeon	F. columbarius. C. I. 3.
	Little	F. ſparverius. C. I. 5.
	*	
III. Owl	Great	Strix bubo. *Edw.* 60
	Short-eared	*Br. Zool. Muſ. Bl.*
	Red	St. Aſio C. I. 7.
	Mottled	N. S. *Muſ. Bl.*
	* *	
	Snowy	St. nyctea. *Edw.* 61
	Barred	N. S. *Muſ. Bl.*
	Canada	*Br.* I. 518.
	Brown	*Br. Zool. Mr. B.*
	White	*ib.*
	Hawk	*Edw.* 62.
	Little.	*Muſ. Bl. Br. Zool.*
IV. Shrike	Cinereous.	Lanius excubitor. C. *app.*
	Creſted.	L. Canadenſis
	Louiſiane.	*Pl. enl.* 397.

SECT. II. Pies.

V. Parrot	Caroline.	Pſittacus Carolinenſis. C. I. 11.
	Illinois.	Pſ. pertinax. *Edw.* 234. *Br.*
VI. Crow	Raven.	*Br. Zool. Mr. B.*
	Carrion.	*B. Zool. Muſ. Bl.*
	Magpie	*Br. Zool. Edw.* p. 126.
	Cinereous	C. Canadenſis
	Blue.	C. criſtatus. C. I. 15.

VII.

VII. Oriole	Redwing	Oriolus Phœniceus.	C. I. 13
	Baltimore	O. Baltimorus	48
	Spurious	O. Spurius	49
	Brown-headed	N. S. *Mr Kuckahn*	
VIII. Gracule	Shining	Gracula quiſcula	C. I. 12
IX. Cuckoo	Caroline	Cuculus Americanus.	C. I. 9.
X. Woodpecker	White-billed.	Picus principalis	C. I. 16
	Buff-cheeked	P. pileatus	C. I. 17
	Gold-wing	P. auratus	18
	Scarlet	P. erythrocephalus	20
	Red-bellied	P. Carolinus	19
	Spotted	*Br. Zool.* I. 178. *Muſ. Bl.*	
	Hairy	P. villoſus	19
	Yellow-bellied	P. varius	21
	Little	P. pubeſcens	*ib.*
	Black	*Albin*	
	Three-toed	P. tridactylus. *Edw.*	
XI. Nuthatch.	Greater	*Br. Zool.*	22
	Leſſer		*ib.*
	Canada	*Br.* III. 593	
XII. Kingfisher	Great	Alcedo alcyon	69
	Louiſiane	*Pratz.* II. 82	
XIII. Creeper	Bahama	Certhia flaveola	59
	Common	*Br. Zool. Muſ. Bl.*	
XIV. Hummer	Red-throated	Trochilus colubris	C. I. 65

SECT. III. Gallinaceous.

XV. Turky	Wild	Meleagris Gallopavo.	
	†		
XVI. Grous	Ruffed	Tetrao umbellus	*Edw.* 248
	Pinnated	T. cupido	C. III. 1.
	Long-tailed	T. Phaſianellus	*Edw.* 117
	Spotted	T. Canadenſis	*Edw.* 71, III.
	White	T. Lagopus	*Edw.* 72
	††		
	Partridge	T. Virginianus	C. III. 12
	Quail ?	T. Mexicanus	

SECT.

SECT. IV. COLUMBINE.

XVII. PIGEON	Paſſenger	Columba migratoria	C. I. 23
	Caroline	C. Carolinenſis	24
	White-crowned	C. leucocephala	25
	Canada	C. canadenſis	
	Ground	C. Paſſerina	24

SECT. V. PASSERINE.

XVIII. THRUSH	Mimic	Turdus polyglottos	27
	Ferruginous	T. rufus	28
	Fieldfare	T. migratorius	29
	Red-leg'd	T. plumbeus	30
	Black	*Br.* II.	245
	Little	*Edw.* 296	C. I. 31
	Golden-crowned	Motacilla auro-capilla	*Edw.* 252
XIX. STARE	Creſcent	Alauda magna	C. I. 33
	New York	N. S. *Muſ. Bl.*	
XX. CHATTERER	Prib.	Ampelis garrulus. C. I. 46. *Edw.*	
XXI. GROSBEAK.	Croſsbill	*Br. Zool.*	*Edw.* 303
	Pine	*Br. Zool.* IV.	*Edw.* 123, 124
	Creſted	Loxia cardinalis	C. I. 38
	Mexican	L. Mexicana	*Muſ. Bl.*
	Roſeate	L. Ludoviciana	
	Spotted	N. S. *Muſ. Bl.*	
	Miſſiſipi		
	Dominican	L. Dominicana	
	Canada	L. Canadenſis	
	Black	L. nigra	C. I. 68
	Blue	L. cærulea	39
	Violet	L. violacea	40
	Fantail	*Pl. enl.*	380
	Grey	*Pl. enl.*	393
	Red-headed	N. S. *Mr. Kuckahn*	
XXII. BUNTING	Snow	Emberiza nivalis	*Edw.* 126
	Winter	E. hyemalis	C. I. 36
	Rice	E. oryzivora C. I. 14.	*Edw.* 291

Painted

	Painted	E. Ciris C. 44 *Edw.* 130. 273
	Louiſiane	E. Ludoviciana.
	Blue ?	*Br.* III. 298
XXIII. Tanagre	Blue	Tanagra cyanea C. I. 45
	Green	Motacilla guira *Edw.* 351. *Muſ Bl.*
	Biſhop	T. Epiſcopus. Du Pratz. II. 94
	Red	T. rubra C. I. 56
XXIV. Finch	Towhe	Fringilla Erythrophthalma 34
	Golden	Fr. triſtis 43
	Orange	Fr. zena 42
	Mountain	Fr. montana *Edw.* 269
	Little	C. I. 35
	Cow-pen	34
	Bahama	Fr. bicolor 37
	Caroline	*Pl. en.* 181. 223 ?
	White-throated	*Edw.* 304
	Ferruginous	*Edw.* 354. *Br.* III. 296
	Crimſon head	N. S. *Muſ. Bl.*
	Faſciated	N. S. *Do.*
	Greater red-poll.	*Br. Zool. Muſ. Bl.*
XXV. Fly-catcher	Tyrant	Lanius tyrannus C. I. 55
	Fork-tail	Muſcicapa tyrannus
	Chattering	C. I. 50
	Creſted	Muſc. crinita C. I. 52
	Black-cap	C. I. 53
	Cinereous	Muſc. virens
	Red-eyed	M. olivacea C. I. 54
	Cat	M. Carolinenſis 66
	Canada	M. Canadenſis
	Blue	Motacilla ſialis C. I. 47
	Brown	C. I. 54
XXVI. Lark	Shore	Alauda alpeſtris C. I. 32
	Red	*Br. Zool Edw.* 297
	Calandre	*Edw.* 268
XXVII. Wagtail	Redſtart	Muſcicapa ruticilla. C. I. 67
	Yellow breaſt	Turdus trichas. *Edw.* 237
	Black throat	Motacilla Canadenſis. *Edw.* 252
	Yellow throat.	C. I. 62.
	Yellow rump.	*Edw.* 255

Red

	Red poll	M. petechia. *Edw.* 256
	Black poll	
	Pine	Certhia pinus. C. I. 61.
	Crowned	M. coronata. *Edw.* 298
	Golden wing	M. chryſoptera. *Edw.* 299
	Green	*Edw.* 300
	Pied	*Edw. ib.* M. varia
	Bloodyſide	M. Penſylvanica. *Edw.* 301
	Cœrulean	M. cœrulea. *Edw.* 302
	Worm-eater.	*Edw.* 305
	Yellow	*Br.* III. 492
	Louiſiane	500
	Great	508
	Quebec	M. Icterocephala
	Yellow-tailed ?	*Edw.* 257
	Spotted	*Edw.* 257
	Cinereous	*Br.* III. 524
	Olive	*Pl. enl.* 58
	Ruby-crowned	M. calendula. *Edw.* 254
	Golden-creſted.	*Br. Zool. C. App.*
	Yellow	*Br. Zool.* II. 266. *Edw.*
	Wren	*Muſ. Bl.*
XXVIII. Titmouse	Creſted	Parus bicolor. C. I. 57
	Hooded	C. I. 60
	Virginian	P. Virginianus. C. I. 58
	American	P. Americanus 64
	Canada	*Br.* III. 553.
	Colemouſe	*Br. Zool. Mr. B.*
XXIX. Swallow	Houſe	*Br. Zool. Mr. B.*
	Martin	*ib. Muſ. Bl.*
	Sand	*ib. C. App.*
	Swift	*ib. Lawſon*
	Purple	Hirundo purpurea. C. I. 51
	Canada	H. ſubis. *Edw.* 120
	Aculeated	H. pelaſgia. C. III. 8
XXX. Goatsucker.	Common	*Br. Zool.* C. I. 8
	Leſſer	Capr. minor. C. III. 16.

DIV. II. WATER FOWL.

SECT. VI. CLOVEN-FOOTED.

*

I. H

XXX ERON.	Hooping	Ardea Americanus. C. I. 75
	Canada	A. Canadenſis. *Edw.* 133
	Brown	A. Herodias. *Edw.* 136
	* *	
	Common	*Br. Zool. C. App.*
	Violet	A. violacea. C. I. 79
	Blue	A. cœrulea 76
	Cinereous	*Edw.* 135
	Great white	A. alba. *Muſ. Bl.*
	Little white	A. æquinoctialis. C. I. 77
	Green	A. virens. 80
	Bittern	A. Hudſonias. *Edw.* 135
	Minute	*Br. Zool. Muſ. Bl.*
	Caroline	C. I. 78
	Green head	*Mr. Kuckahn*
XXXII. IBIS	Wood	Tantalus loculator. C. I. 81
	Scarlet	T. ruber 84
	White	T. albus 82
	Brown	T. fuſcus 83
	*	
XXXIII. CURLEW	Eſkimaux	N. S. *Mr. B.*
XXXIV. WOODCOCK.	American	*Muſ. Bl.*
	Snipe	*Br. Zool. Muſ. Bl.*
	Jack	*ib. Muſ. Bl.*
	Godwit	*ib. C. App.*
	Red	*ib. Edw.* 138
	Great	Scolopax fedoa. *Edw.* 137
	Nodding	N. S. *Mr. B.*
	Spotted	*Muſ. Bl.*
XXXV. SAND-PIPER	Turnſtone	Tringa interpres *Edw.* 141
	Common	*Br. Zool. Mr. Kuckahn*
	Spotted	*ib. Edw.* 270
	Cinereous	*ib. Mr. B.*

Knot

	Knot	*ib. Edw.* 276
	Redſhank	*ib. C. App.*
	Grey Pl.	*ib. C. App.*
	Purre	*ib. Muſ. Dl.*
	Little	N. S.
	Gloſſey	*Mr. B.* N. S.
	Green	*Br. Zool. Mr. Kuckahn*
XXXVI. PLOVER	Green	*Br. Zool. Muſ. Bl.*
	Pie	*ib.* C. I. 85
	Noiſy	Charadrius vociferus. C. 1. 71
	Golden	Ch. apricarius *Edw.* 140
	Lark	*Br. Zool. Muſ. Bl.*
	Sanderling	*ib. Muſ. Bl.*
XXXVII. RAIL	Clapper	*Muſ. Bl.*
	Red-breaſted	*Edw.* 279
XXXVIII. WATER-HEN	Caroline	Rallus Carolinus. *Edw.* 144. C. I. 70.
	Common	*Br. Zool. Muſ. Bl.*

SECT. VII. With PINNATED FEET.

XXXIX. COOT	Common	*Br. Zool. Muſ. Bl.*
XL. PHALAROPE	Grey	*ib. Edw.* 308
	Red.	*Edw.* 142
	Brown	*Edw.* 46
XLI. GREBE.	Eared	*Edw.* 96
	Pied bill	C. I. 91.

SECT. VIII. WEBBED-FOOTED.

XLII. FLAMMANT	Red	Phænicopterus ruber. C. I. 73
XLIII. AUK	Great	*Br. Zool. Edw.* 147
	Razor	*ib. Edw.* 358
	Puffin	*ib. Edw. ib.*
	New	N. S. *Br. Muſ.*
	Little	*Br. Zool. Edw.* 91
	Guillemot	*ib. Edw.* 359
	Black	*ib.*

XLIV.

XLIV. Diver	Northern	*Br. Zool. Muſ. Bl.*
	Immer	Colymbus Immer. *Muſ. Bl.*
	Speckled	*Br. Zool. Muſ. Bl.*
	Lumme	*ib. Edw.* 97. 146
XLV. Cut-water	Black	Rhynchops nigra. C. I. 90
XLVI. Tern	Noddy	Sterna ſtolida. C. I. 88
	Black	*Br. Zool. Kalm*
	Greater	*ib. Muſ. Bl.*
	Leſſer	*ib. Muſ. Bl.*
XLVII. Gull	Great	*ib. Mr. B.*
	Wagel	*ib.*
	Herring	*ib.*
	Kittiwake	*ib.*
	Laughing	*ib.*
	Black toed	*ib.*
	Arctic	*ib. Edw.* 148, 149.
XLVIII. Petrel	Fulmar	*ib.*
	Shear water	*ib. Edw.* 359
	Storm	*ib. Edw.* 91
XLIX. Saw-bill.	Gooſander	*Br. Zool. Muſ. Bl.*
	Redbreaſted	*ib. Edw.* 95.
	Hooded	Mergus cucullatus. *Edw.* 360
	Smew	*Br. Zool. Muſ. Bl.*
L. Duck	Swan	*ib. Edw.* 150
	Canada	Anas Canadenſis. *Edw.* 151
	Wild-gooſe	*Br. Zool.*
	White-fronted	*ib. Edw.* 153
	Blue	A. cæruleſcens. *Edw.* 152
	Bernacle	*Br. Zool.*
	Brant	*ib.*
	Snow	Anſer niveus. *Br.* VI. *Lawſon*
	Eider	*Br. Zool Edw.* 98
	King	A. ſpectabilis. *Edw.* 154
	Velvet	*Br. Zool. Muſ. Bl.*
	Black	A. perſpicillata. *Edw.* 155
	Shoveler	*Br. Zool.* C. I. 96. *fœm.*
	Golden eye	*ib. Muſ. Bl.*
	Harlequin	A. hiſtrionica. C. I. 98. *fœm.* [*Edw.* 99. 157.

Pied

	Pied	A. albeola. *Edw.* 100
	Pochard	*Br. Zool. C. App.*
	Pin-tail	*ib. Muf. Bl.*
	Swallow-tail	*ib. Edw.* 280
	Buffel	A. Bucephala. C. I. 95
	White-faced	A. difcors. C. I. 100
	Ilathera	A. Bahamenfis. C. I. 93
	Brown	*Mr. B.*
	Summer	A. fponfa. *Edw.* 101. C. I. 97.
	Widgeon	*Br. Zool. Muf. Bl.*
	Teal	*ib. Mr. B.*
	Blue-wing	C. I. 99.
	Mallard	*Br. Zool. C. App.*
	Scaup	*ib. Muf. Bl.*
LI. PELECAN	Pelecan	*Edw.* 93.
	Corvorant	*Br. Zool. Muf. Bl.*
	Shag	*ib. C. App.*
	Gannet	*Mr. B. Br. Zool.*

CLASS III. REPTILES.

SECT. I. With FOUR FEET.

I. TORTOISE	Green	Teftudo Mydas	C. II. 38
	Hawkfbill	T. caretta	39
	Logger-head		40
	Trunk		
	Chequered	T. Carolina.	*Edw.* 205
	Mud		*Edw.* 287
	Rough ?	T. fcabra	
	Indented ?	T. denticulata	
	River	N. S. *Dr. Garden*	
II. FROG	Bull	Rana ocellata.	C. II. 72
	Land		C. 69
	Water		C. 70

	Green		C. 71
	Horned	R. cornuta	
	Striped	N. S. Mr. *Ellis*	
III. Lizard	Allegator	Lacerta Crocodylus.	C. II. 63
	Lion	L. ſex-lineata	68
	Guano	L. Iguana	64
	Green		65
	Blue-tail	L. faſciata	67
	Spotted	L. punctata	III. 10
	Canada	N. S. Mr. *Ellis*	
	Annulated	*Muſ. Bl.*	

SECT. II. With Two Feet.

IV. Siren	Caroline	Siren Lacertina. *Ph. Tr.*	LVI. 189

SECT. III. Without Feet.

	†		
V. Snake	Rattle	Crotalus horridus	C. II. 41
	Leſſer	Cr. miliarius	C. 4
	Chequered	Cr. Duriſſus	
	††		
	Hog-noſe	Boa contortrix	C. 56
	†††		
	Striped	Coluber leberis	
	Wampum	Coluber faſciatus	C. 58
	Green	C. ordinatus	53
	Chain	C. getulus	52
	Ribbon	C. faurita	50
	Black	C. conſtrictor	48
	Bead	C. guttatus	60
	Familiar	C. æſtivus	57
	Porraceous	C. myſterizans	47
	Croſſed	Coluber ſimus	
	Smooth-headed	ſtriatulus	
	Dotted	punctatus	
	Ringed	doliatus	
	Brown	ſipedon	
	Yellow	fulvius	
	Vittated	ſirtalis	

Water

Water viper		C. 43
Black viper		44
Brown viper		45
Copper-bellied		46
Brown-bead		49
Speckled		51
Penfacola	N. S. *Mr. Ellis*	
Coach-whip	C. 54	
Corn	C. 55.	
little	*Edw.* 349	
	†	
	† † †	
Glafs	Anguis ventralis	C. II. 59
	† †	
	† † †	
Little Sloeworm	Cœcilia N. S. *Mr. Ellis.*	

CLASS IV. FISH.

SECT. I. CETACEOUS.

I. NARWHAL	Narwhal	
II. WHALE	Common	*Br. Zool*
	Pike-headed ?	*ib.*
	Fin	*ib.*
	Beaked	*ib.*
III. CACHALOT	Blunt-headed	*ib.*
	High-finned	*ib.*
IV. DOLPHIN	Porpeffe	*ib.*
	Grampus	

SECT. II. CARTILAGINOUS.

V. LAMPREY	Common	*Br. Zool. C. App.*

VI. Ray	Thorn-back	*C. App.*
	Sting	*C. App.*
	Devil-fish	*C. App.*
VII. Shark	White ?	*C. App.*
	Saw	Squalus Pristis. *C. App.*
VIII. Fishing Frog	Common	*Br. Zool. C. App.*
IX. Sturgeon	European	*ib.*
	Blunt-nosed	*Mus. Bl.*
X. Balistes	Unicorn	B. monoceros. C. II. 19
	Hispid	B. hispidus
	Old	B. vetula. C. II. 22
XI. Tetrodon	Smooth	T. lævigatus
	Globe	T. lagocephalus C. II. 28
	Sun	*Br. Zool. C. App.*
XII. Lump	Lump-fish	*Br. Zool.*
XIII. Pipe-fish	Shorter	*ib.*

SECT. III. Bony.

* Apodal.

XIV. Eel	Muray	Muræna Helena. C. II. 20. 21
	Eel	*Br. Zool.*
	Conger	*ib.*
XV. Sword	Sword-fish	*ib.*

** Jugular

XVI. Cod	Common	*ib.*
	Frost	Gadus callarias. *Mus. Bl.*
	Tau	Gadus Tau.
XVII. Blenny	pustulated	N. S. *Mr. B.*

*** Thoracic.

XVIII. Remora	Remora	Ech. neucrates. C. II. 26
XIX. Coryphæne	Parrot	C. Psittacus C. II. 29
	Blue	C. II. 18
	Lineated	C. lineata

XX. Bull-

XX. Bull-head	Father-lasher	*Br. Zool.*
XXI. Flounder	Holibut	*Br. Zool.*
	Flounder	*ib.*
	Plaise	*ib.*
	Rough	Pleuronectes plagiusa
	Sole	*Br. Zool.*
	Lineated	Pl. lineatus
	Lunated	Pl. lunata C. II. 27
XXII. Chætodon	Scaleless	Ch. alepidotus
	Angel	Ch. triostegus C. II. 31
XXIII. Gilthead	Lane-snapper	Sparus synagris C. II. 17
	Pork-fish	Sp. rhomboides C. II. 4
	Porgy	Sp. chrysops C. II. 16
	Silver	Sp. argyrops.
	Radiated	Sp. radiatus. C. II. 12
	Virginian	Sp. virginicus
XXIV. Wrasse	Mutton	Labrus anthias C. II. 5
	Mangrove	L. griseus C. II. 9
	Hog	L. flavus C. II. 11
	Gaper	L. hiatula.
	Drum	L. chromis *C. App.* XXXIII.
	Yellow	L. fulvus C. II. 10
	Cinereous	C. II. 11. *fig.* 2
	Bone	C. II. 13
	Great?	C. II. 15
XXV. Perch	River?	*Br. Zool. C. App.*
	Yellow-bellied	Labrus auritus. C. II. 8
	Dotted	Perca punctata
	Whiting?	P. alburnus. C. II. 12
	Croker	P. undulata C. II. 3.
	Eyed	P. ocellata
	Noble	P. nobilis
	Philadelphian	P. Philadelphica
	Black	P. atraria
	Margate	P. chrysoptera C. II. 2
	Negro	P. punctata C. II. 7
	Hind	P. guttata C. II. 14
	Venemous	P. venenosa C. II. 5
	Black-tail	P. melanura C. II. 7

	Rudder	P. ſectatrix C. II. 8
	Striated	P. ſtriata
	Grunt	P. formoſa C. II. 6
	Trifurcated	P. trifurca
	Baſs ?	*Br. Zool.* *C. App.* XXXIII.
	Apodal	C. II. 4.
XXVI. STICKLE-BACK	Crevalle	Gaſteroſteus Carolinus
	Canada	G. Canadus
	Skip-Jack	G. Saltatrix. C. II. 14
	Two-ſpined	*Muſ. Bl.*
XXVII. MACKREL	Yellow-tail	Scomber Hippos
XXVIII. GURNARD	Flying	Trigla evolans
	Rough	N. S. *Muſ. Bl.*

* * * *

ABDOMINAL.

XXIX. LOCH	Beardleſs	Cobitis heteroclita
XXX. AMIA	Mud-fiſh	Amia calva
XXXI. SILURE	Cat	Silurus felis. S. catus. C. II. 23
	Armed	S. cataphractus. C. III. 19
XXXII. TROUT	Salmon	*Br. Zool.*
	Trout	*Br. Zool.* *Mr. B.*
	White fiſh	Salmo lavarettus ?
	Long	S. fœtens. C. II. 2
XXXIII. PIKE	Fox	Eſox vulpes. C. II. 1
	Green	E. Oſſeus. C. II. 30
	Sea-needle	*Br. Zool*
	Under-jaw	E. Braſilienſis. *Mr. B.*
	Barracuda	C. II. 1
	Common	*Br. Zool.* *C. App.*
XXXIV. ELOPS	Forked	El. Saurus
XXXV. ARGENTINE	Caroline	Arg. Carolina. C. II. 24 *

* Perhaps a herring.

XXXVI. ATHERINE	Silver-fiſh	Ath. menidia
XXXVII. MULLET	White	Mugil albula. C. II. 6
	Common	*Br. Zool. C. App.*
XXXVIII. POLYNEME	Virginian	P. Virginicus
XXXIX. HERRING	Common	*Br. Zool.*
	Shad	*ib. C. App.* XXXII
XL. CARP.	Common	*Br. Zool. C. App.*
	Roach	*ib.* *ib.*
	Dace	*ib.* *ib.*
	Mummy-Chog.	N. S. *Muſ. Bl.*

CLASS V. INSECTS.

SECT. I. BEETLES.

*

I. CHAFER Scarabæus lunaris. *Muſ. Bl.*
aloëus
lancifer
naſicornis
Carolinus
mimas
carnifex
nuchicornis
Marianus
ſtercorarius
Amazonus
Surinamus
nitidus
ſepicola
horticola, a variety
occidentalis
lanigerus
faſciatus
Indus
brunnus
punctatus

 nobilis

		nobilis
		quadrimaculatus
		Hudſonias. *Drury* t. 35. f. 7 N. S. *Muſ. Bl.*
		rufus. N. S. *Muſ. Bl.*
		lævipes. N. S. *Muſ. Bl.*
		piceus. N. S. *Muſ. Bl.*
		biunguiculatus. N. S. *Muſ. Bl.*
		piloſus. N. S. *Muſ. Bl.*
		teſtaceus. N. S. *Muſ. Bl.*
II. Stag-beetle	Lucanus	cervus
		capreolus
		interruptus
		— — — *N. B.* a brown variety
III. Leather-eater	Dermeſtes	lardarius
		capucinus
		typographus
		faſciatus. N. S. *Muſ. Bl.*
IV. Mimick-beetle	Hiſter	unicolor
V. Whirl-beetle	Gyrinus	Americanus
VI. Carrion-beetle	Silpha	veſpillo. *N. B.* a great variety, and the ſmall one too
		noveboracenſis. N. S. *Muſ. Bl.*
		bipuſtulata
		quadripuſtulata
		Americana
		obſcura
		aquatica
VII. Weevil	Curculio	noveboracenſis. N. S. *Muſ. Bl.*
		palmarum
		Bacchus
		diſpar
		anchoraco
		nucum
		incanus
		ſcutellatus. N. S. *Muſ. Bl.*
VIII. Nut-beetle	Attelabus	curculionoides
		Penſylvanicus.

IX. Lady-

IX. Lady-fly	Coccinella	impunctata
		7-punctata
		13-punctata
		2-pustulata
X. Glow-worm	Lampyris	Pyralis
		marginata
		pilosa. N. S. *Mus. Bl.*
XI. Seed-beetle	Bruchus Pisi	*Kalm* I. 173—177
XII. Golden-honey-beetle	Chrysomela	5-punctata
		occidentalis
		Boleti
		Philadelphica
		3-maculata
		Americana
		lineola
		bicolor, variety with red thighs, *Mus. Bl.*
		scopolina
		obscura
		10-maculata
		12-punctata
		Phellandrii
		tomentosa
		Rhoi. N. S. *Mus. Bl.*
		spinicornis. N. S. *Mus. Bl.*
		lepturoides. N. S. *Mus. Bl.*
		lineato-punctata. N. S. *Mus. Bl.*
		trifurcata. N. S. *Mus. Bl.*
		laticlavia. N. S. *Mus. Bl.*
		fimbriata. N. S. *Mus. Bl.*
		frontalis. N. S. *Mus. Bl.*
		Hudsonias. N. S. *Mus. Bl.*
XIII. Blister-beetle	Meloë	vesicatorius
		majalis
		cinerea. N. S. *Mus. Bl.*
XIV. Stinking-beetle	Tenebrio	chalybeus
		Mauritanicus
		culinaris

		culinaris
		foſſor
XV. Tortoise-beetle	Caſſida	viridis
		bipuſtula ? *Muſ. Bl.*

* * *

XVI. Glossy-beetle	Cicindela	hybrida
		Germanica
		riparia
XVII. Ground-beetle	Carabus	granulatus, γ.
		hortenſis
		leucophthalmus
		inquiſitor
		lividus, ſmall variety
		marginatus
		crepitans
		Americanus
		cyanocephalus
		vulgaris
		piceus
		ſericeus. N. S. *Muſ. Bl.*
		faſciatus. N. S. *Muſ. Bl.*
XVIII. Burn-cow	Bupreſtis	gigantea
		mariana
		chryſoſtigma
		Auſtriaca
XIX. Spring-beetle	Elater	oculatus
		phoſporeus
		ligneus ?
		obſcurus
XX. Water-beetle	Dytiſcus	fuſcipes
		marginatus
XXI. Softwinged-Beetle	Malacopteryx Cantharis	Americanus. N. S. *Muſ. Bl.*
		tropica
XXII. Wood-beetle	Leptura	myſtica
		detrita

Robiniæ.

		Robiniæ. *Drury.* t. 41. f. 2. N. S. *Muſ. Bl.*
		Americana. N. S. *Muſ. Bl.*
		nitens
XXIII. Capricorn-beetle.	Cerambyx	imbricornis
		coriarius, variety
		melanopus
		lineatus
		ſpinibarbis
		araneiformis
		4-maculatus
		ſuccinctus
		ſuaveolens
		Coquus
		hiſpicornis. *Drury.* t. 41. f. 4.
		ruſticus
		bajulus
		tetrophthalmus. N. S. *Muſ. Bl.*
		brunnus. N. S. *Muſ. Bl.*
		palliatus. N. S. *Muſ. Bl.*
		clavipes. N. S. *Muſ. Bl.*
✱ ✱ ✱ ✱		
XXIV. Rove-beetle	Staphylinus	hirtus
		erythropterus
XXV. Clipt-winged Beetle	Necydalis	collaris. N. S. *Muſ. Bl.*
XXVI. Earwig	Forficula	auricularia

SECT. II. Halfwinged Insects.

XXVII. Cockroach	Blatta	Americana
		Orientalis
		Germanica
		livida. N. S. *Muſ. Bl.*
XXVIII. Camelcricket	Mantis	irrorata
		Carolina
XXIX. Locust	Gryllus	brevicornis
		gryllotalpa
		campeſtris
		citrifolius

		citrifolius
		laurifolius
		myrtifolius?
		ſuccinctus
		criſtatus
		Carolinus
XXX. Flea-locust	Cicada	ſquamigera
		tibicen
		ſeptendecim
		violacea
		ſpumaria
		phalænoides
		Lanio
		carinata. N. S. *Muſ. Bl.*
		guttata. N. S. *Muſ. Bl.*
		coccinea. N. S. *Muſ. Bl.*
XXXI. Boat-fly	Notonecta	glauca
		lineata. N. S. *Muſ. Bl.*
XXXII. Waterscorpion	Nepa	grandis
XXXIII. Bug	Cimex	lecticularis. *Kalm.*
		bidens
		ictericus
		floridanus
		hæmorrhous
		baccarum
		praſinus
		biguttatus, variety with red dots and marges
		criſtatus
		trifaſciatus
		ſuccinctus
		lacuſtris
XXXIV. Plantsucker	Chermes	Alni. *Kalm*
XXXV. Cochineal	Coccus	Cacti. *Bartram's Florida*

SECT. III. PAPILIONACEOUS. INSECTS.

XXXVI. BUTTERFLY	Papilio	Troilus. *Drury.* t. 11. f. 1—5 ?
		Ajax. *Edw.* 34.
		Xuthus. *Drury.* t. 22. f. 1. 2.
		Antilochus
		Podalirius
		Protesilaus. *Drury.* t. 22. f. 34.
		Apollo. *Muf. Bl.*
		Braſſicæ
		Hyale
		Eubule
		Ecclipſis
		Midamus
		Plexippus
		Miſippus
		Chryſippus
		Canthus
		Almana
		Orithya
		Cardui
		Antiopa. *Kalm.*
		urticæ
		C. album.
		Atalanta
		Euphroſyne. *Kalm.*
		Cupido
		quercus
		Echion
		Virgaureæ
		Bixæ
XXXVII. HAWK-MOTH	Sphinx	ocellata
		Populi
		Carolina
		Celerio
		Pinaſtri
		fuciformis. β. Tityus
XXXVII. MOTH	Phalæna	Atlas
		Cecropia
		Paphia

Luna

		Luna
		Virgo
		Plantaginis
		Chryſorrhœa
		lubricipeda
		paranympha
		Gamma
		Pſi
		bilineata
		viridana
		bella
		pulchella

SECT. IV. Insects with nervous Wings.

XXXIX. Dragon-fly	Libellula	flaveola
		depreſſa
		ænea
		umbrata
		Americana
		Carolina
XL. Camel-fly	Raphidia	cornuta
XLI. Spring-fly	Phryganea	bicaudata
XLII. Pearl-fly	Hemerobius	pectinicornis
XLIII. Scorpion-fly	Panorpa	communis

SECT. V. Insects with Stings.

XLIV. Bee	Apis	cordata
		mellifica
		roſtrata
		violacea
		Carolina
		pratorum
		æſtuans
		noveboracenſis N. S. *Muſ. Bl.*
		veſpiformis. N. S. *Muſ. Bl.*
		ſericea. N. S. *Muſ. Bl.*

XLV.

XLV. Ant	Formica	herculeana rufa
XLVI. Wasp	Veſpa	Carolina maculata. *Muſ. Bl* annularis quadridens Canadenſis
XLVII. Golden Wall-fly		Chryſis cyanea
XLVIII. Tailed Wasp	Sirex	Columba. *Muſ. Bl.*
XLIX. Saw-fly	Tenthredo	ſcrophulariæ lutea viridis
L. Ichneumon Wasp	Sphex	ſabuloſa cœrulea Penſylvanica arenaria
LI. Ichneumon-fly	Ichneumon	luteus
LII. Naked Bee	Mutilla	occidentalis

SECT. VI. Two-winged Insects.

LIII. Gnat	Culex	pipiens. *Muſquito* pulicaris
LIV. Wasp-fly	Aſilus	æſtuans gibboſus
LV. Flower-breeze	Bombylius	minor. *Muſ. Bl.*
LVI. Horse-fly	Hippoboſca	hirundinis. *Muſ. Bl.*

LVII.

LVII. Fly	Muſca	illucens. Drury, t. 44. f. 1. *M. Bl.* leucopa vomitoria carnaria domeſtica
LVIII. Whame	Tabanus	Americanus. N. S. *Muſ. Bl.*
LIX. Gadfly	Oeſtrus	Tarandi

SECT. VII. Insects without Wings

LX. Sugarmite	Lepiſma	ſaccharina
LXI. Ground-flea	Podura	aquatica
LXII. Death-watch	Termes	pulſatorium
LXIII. Louse	Pediculus	humanus ricinoides ſuis cervi meleagridis
LXIV. Flea	Pulex	irritans penetrans. *Chigger*
LXV. Tick	Acarus	Americanus Siro holoſericeus
LXVI. Long-legged Spider	Phalangium	groſſipes opilio acaroides balænarum reniforme
LXVII. Spider	Aranea	diadema clavipes venatoria
LXVIII. Scorpion	Scorpio	Americanus auſtralis. *Muſ. Bl.*

LXIX. Crabfish.	sentry	Cancer pinnophylax
	minute	C. minutus. *Kalm.*
	land	C. ruricola. *Cat.* II. 32.
	florid	C. floridus
	Sand	C. vocans. *Cat.* II. 35.
	common	C. mænas. *Mr. B.*
	roughshelled	C. granulatus. *Cat.* II. 36. N° 2.
	spider	C. araneus. *Mr. B.*
	dotted	C. punctatus
	rock	C. Grapsus. *Cat.* II. 36. N° 1.
	redclawed	*Cat.* II. 37. f 1.
LXX. Lobster	common	Cancer Gammarus
	cynic	C. Diogenes. *Cat.* II. 33. f. 1. 2.
	Soldier	*Cat.* II. 34
	Cray	C. carcinus
LXXI. Monocule	King's Crab	Monoculus Polyphemus. *Mus. Bl.*
LXXII. Millepee	Oniscus	Oestrum. *Mus. Bl.*
		Physodes. *Mus. Bl.*
		Ceti
		Asellus
LXXIII. Centipee	Scolopendra	forficata
		morsitans. *Cat.* II. 2.
		occidentalis
		marina
LXXIV. Gallyworm	Julus	crassus

TESTACEOUS.

References to American Shells, engraved in Lister's Hist. Conch.

Land	N° 19			Sea Bivalves.	N° 34. 279
	45				196. 358
	69				200. 434
	82				277. 436
	91			Sea turbinated.	855. a. 12
	92				1058.—10
	93				1059—2
	94				4
River	3	River Bivalve	5		
Turbinated	4		6		
	5		9		
	6		10		
	7		15		
	8				
	35				
	44				
	45				
	46				

SHORT

SHORT DIRECTIONS

For LOVERS and PROMOTERS of

NATURAL HISTORY,

In what manner Specimens of all Kinds may be collected, preſerved, and tranſported to diſtant Countries.

I. ALL Quadrupeds of a great bulk muſt be ſkinned as ſoon as poſſible after death; the tail, claws, teeth, horns, ears, briſtles on the noſe and chin, are carefully to be preſerved; the hair of the fur as little ſtained with blood as poſſible; the opening is to be as ſmall as it can conveniently be without hindering the operation; the inſide of the ſkin may then be waſhed or bruſhed over with a liquor, made of an ounce of Sal Ammoniac, diſſolved in a quart of water, in which afterwards two ounces of corroſive ſublimate Mercury muſt be put: or four ounces of Arſenic may be boiled in two quarts, or two quarts and a half of water, till all or the greater part of it be diſſolved, and the liquor may ſerve for the ſame purpoſe to waſh the inſide of the ſkin: then the whole cavity muſt be ſtuffed with oakhum or tow, likewiſe imbibed with the above liquor, afterwards dried and mixed

with a powder of four parts of Tobacco-ſand, four parts of pounded black Pepper, one part of burnt Alum, and one part of corroſive Sublimate or Arſenic: laſtly, the whole is to be ſewed with a thread dipt in the above liquor, and the ſkin thus ſtuffed muſt be gently dried, and a day after put into an oven, whoſe heat muſt be ſo gentle, that ſome hair, or a feather put for trial's ſake into it, will not more criſp, or curl, or bend; and thus it will be perfectly dried: the eyes may be filled up with putty, which, when dry, will look like the white part of an eye, and will bear painting, to expreſs with oil-colours the iris and pupil of the natural eye of the animal in queſtion. The whole animal can be put into a box, filled with tow or moſs, or oakum ſteeped in the above liquor, and perfectly dried. The box can be bruſhed over on both ſides with the above liquor, and dried; and the crevices ſhut up with pieces of paper paſted over; the paſte muſt be made either with the arſenical liquor, or that made with corroſive ſublimate inſtead of common water; and I can aſſure theſe precautions, though cheap and ſimple, will keep the animal in the beſt preſervation on the longeſt voyages, and for many years in a collection. This way of preparing and ſecuring the boxes for ſending ſpecimens abroad, the prepared oakum or tow, the powder and liquor mentioned above, are always to be underſtood when I afterwards ſpeak of prepared boxes, prepared tow, moſs, or oakum, and preparing powder or liquor.

II. Small Quadrupeds may be plunged into a keg of brandy, rack or rum, and thus ſent over: obſerve however to put them firſt into the coarſer kind of ſpirits; and after they have been therein for a while, and parted with ſome impurities, you muſt put them into another veſſel with new clean rum or brandy, into which ſome alum may be put; and they will keep thus better, and be leſs ſubject to change or decay.

III. Birds muſt be opened at the vent, their entrails, lungs,

lungs, and craws taken out, waſhed with the above preparing liquor, ſtrewed with the preparing powder, ſtuffed with the prepared oakum or tow; their plumage kept clean during the operation, ſewed up with thread ſteeped in the preparing liquor; the eyes taken out, with the tongue, and both places waſhed with the ſame liquor; the mouth muſt be filled with prepared tow in great birds; the eyes filled up with putty, and, when dry, painted with oil-colour after the natural colour of live birds of the ſame ſpecies, and then dried in an oven: however, as there is all the meat on the bird left, care muſt be taken not to take too plump or too fat birds, and dry them ſlowly under the ſame precaution as mentioned N° I. The operation muſt be repeated till the bird be perfectly dry. The attitude may be given to the bird before he be put into the oven, by wires that are ſharp on one end, and thruſted through the bird's legs, body, breaſt, and neck, and others going through the wings and body. Small birds are likewiſe well preſerved in brandy, rack, or rum; and when arrived at the place of their deſtination, they muſt be waſhed and ſweetened in freſh water for ſeveral times, and laſtly dipped in the preparing liquor, the plumage laid in order, the attitude given to the bird by wires, and then dried. Care muſt be taken to kill the birds with ſhot proportioned to their ſize, and at a reaſonable diſtance, that the ſpecimen may not be mangled and torn. Young birds which have not yet moulted, muſt not be taken, but old birds in full feather, and, if poſſible, a ſpecimen of each ſex; for the ſexes often vary very much in ſize, feather, and colour. The neſts of birds and their eggs would likewiſe contribute towards perfecting the hiſtory of this branch of zoology.

IV. All kinds of Reptiles, as ſnakes, lizards, and frogs, and ſmall tortoiſes, muſt be put into brandy or rum with alum in it: obſerve not to take ſuch ſnakes or lizards as have accidentally loſt their tails: the ſcales of theſe animals muſt be carefully preſerved.

V. Fiſh

V. Fiſh of all denominations will likewiſe bear ſending in bottles or kegs with brandy or rum. The fins, and tails of the fiſh, their ſcales, and in ſome kinds, the beards, or other ſmall characteriſtic appendages, muſt not be rubbed, torn, or deſtroyed.

VI. Inſects may be caught in a pair of forceps covered with fine green or white gauze, which for better ſecurity may be ſewed over either with ſilk or thread. The collector muſt have a pincuſhion, with three or four different ſizes of pins, calculated for the different ſizes of the inſects; one or two chip-boxes lined on top and bottom with cork, all ſteeped in the preparing liquor; one or more larger ſtore-boxes at home to put therein the inſects caught in the various excurſions; a large Muſcheto gauze-net made in the ſhape of a bat fowling-net, which is to be got ready made in London; and a thread net with ſmall meſhes on a round wire hoop fixed to a long pole, in order thus to catch inſects that live in water. With theſe inſtruments all inſects may eaſily be caught. The beetles muſt have the pin run through one of their wing-ſhells; the half-winged inſects through the thorax, and ſo likewiſe muſt be done to butterflies, hawk-moths, and moths, to the inſects with four and two membranaceous wings, and ſome of the inſects without wings. As the papilionaceous inſects very frequently beat their wings, and thus rub off the fine ſcales covering them, it is neceſſary to give theſe creatures, when in the forceps or net, a gentle ſqueeze at the inſertion of the wings in the body, and to put them, when returned home from an excurſion, on a large pincuſhion, by which means they will be enabled to reſt their feet on, and this will prevent their fluttering. Beetles, and many of the half-winged inſects, may be dipped in the preparing liquor, which will kill and put them ſoon out of pain and prevent ſmall inſects from deſtroying them. The greater part of beetles may with as great propriety be plunged into a

bottle,

bottle, with rum or rack, and thus ſent over. This can likewiſe be done with all marine inſects, ſmall crabs, millepees, centipees, ſpiders, gally-worms, ſcorpions, *&c.* and many curious grubs or caterpillars, which are the firſt ſtate which beetles and butterflies, moths, *&c.* live in. To each inſect, not in ſpirits, put a ſmall paper, on which is marked the time of the year it is caught in, the plant or food it lives upon, its changes, and what animals feaſt again upon the inſect, and other ſuch particularities.

VII. The ſhells, both thoſe found in freſh water-lakes, ponds, and rivers, and thoſe that live only in the ocean, muſt not be choſen among thoſe that lie on the ſhores of the ſea and freſh waters, and have been broken and injured, or rolled by the waves and expoſed to the air and ſun and thus calcined; but rather as freſh as poſſible, and with the animal in it: one or two ſpecimens of which may be preſerved in Spirits: from the reſt extract the animal, and keep the ſhell, when perfectly dry and ſweet, packed up in cotton, tow, or moſs. The ſame is to be done with the echini or ſea-eggs, and other cruſtaceous animals; eſpecially be careful to preſerve their curious ſpines.

VIII. The harder and ſtone-like animal productions of the ſea, comprehended under the names of Madrepores, Millepores, Cellepores, Corals, and Gorgonias, are either without its inhabitants, and then they want no other care but a good packing in cotton or tow; or the animal is ſtill alive, and then it would be neceſſary to put the ſpecimen in a flat veſſel filled with Sea-water, and to watch the moment when the animal puts out its arms or branches, and then to pour inſtantly a good quantity of ſtrong ſpirit into the water, ſo that the acid of the liquor may prevent the animal from drawing in its branches or arms: after this, the animal may be

put

put into another glaſs, with new rum poured on it; the glaſs muſt be well corked, and covered with putty and a bladder. All the alcyoniums, ſponges, hornwracks, pipe-corals, coralines, ſea-feathers, and other curious zoophytes, muſt be treated in the ſame manner; as this would be a means to acquaint us with the various inhabitants of this curious tribe of marine productions.

IX. The various worm-like animals comprehended under the name of *Molluſca*, may be beſt preſerved in rum or brandy: only obſerve to pour the rum on them, when they are putting out their arms, eyes, horns, tentacula, and other parts of their frame.

X. To the quadrupeds, birds, reptiles, fiſh, and in general to all the ſpecimens, muſt be fixed lead tickets by means of a wire, and a number on the lead ſcratched in; which muſt be referred to, in a paper, where under the ſame number the collector would be pleaſed to write the name by which the animal goes in his country, or among the various tribes of Indian nations, with the food, age, growth, nature, manners, haunts, how many young or eggs it brings forth, in what manner it is caught, what it is uſed for, &c. &c.

XI. The vegetable world affords ſuch an immenſe variety of productions of ſo great and varied uſes for the various purpoſes and wants of human ſociety; that it would be rather blameable in men to be indolent in reſpect to them. Old England can juſtly glory in being poſſeſſed of the greateſt variety of plants of all kinds; but even theſe glorious and ſpirited efforts in this branch of knowledge, are not yet ſufficient to make us acquainted with all the productions of the vegetable kingdom, and their various uſes. Beſides this, their cultivation at large is often impoſſible in our cold climate, and reſerved for a more mild and happy one, beyond

beyond the Atlantic: nothing is therefore more neceſſary than to facilitate the tranſportation of ſeeds and plants into diſtant countries in a ſtate of vegetation. The ingenious and great promoter of natural hiſtory, John Ellis, Eſq; has favoured the world with a curious pamphlet, containing the beſt directions for that purpoſe; it would be therefore ſuperfluous to repeat what he has already ſaid, were it not neceſſary to make my performance more compleat, by inſerting a few hints abſtracted from his uſeful publication; and adding to it ſome remarks of my own.

Seeds of all kinds, intended to be ſent abroad, muſt be collected perfectly ripe in dry weather, and kept dry without expoſing them to ſunſhine. Hard nuts, and leguminous ſeeds, may be plunged for a moment in the preparing liquor and then dried again, as this would prevent inſects from attacking them. In general muſt the ſeeds be previouſly examined, and care taken that no inſects may be ſent with them; this can ſometimes be diſcovered by the naked eye, ſometimes by a magnifying glaſs, and by a little brown or black ſpot on the outſide of the ſeed; ſuch ripe and choſen ſeeds, if of a good ſize, each of them may be wrapped in a flat piece of bees-wax; if ſmall or quite minute, many may be put together in ſuch a piece of bees-wax, or, what is ſtill better, in a piece of cerate paper, i. e. paper ſteeped in melted bees-wax, and all theſe parcels muſt be put in a pot or box, proportionate to the quantity of ſeeds you have, filled with melted wax, to the height of about the ſize of the ſeeds you are to ſend, or the parcels you have made; and when the wax is pretty cool, but ſtill ſoft, lay your ſeeds or parcels in rows in the ſoft wax, and then fill again ſome melted wax in, and proceed to lay ſeeds in the ſame manner till your pot or box be full. Pulpy ſeeds, as thoſe of ſtrawberries, mulberries, arbutus's,

may be ſqueezed together, preſſing out the watery particles, drying theſe ſmall cakes, and then putting them in the abovementioned cerate paper. Or ſmall ſeeds mixed with dry ſand, and put in cerate paper, packed in proportionate glaſſes, and covered with a bladder or leather, and all ſuch glaſſes again packed in a veſſel, filled with a mixture, conſiſting of half culinary ſalt, the other half of two parts of ſaltpetre, and one part of ſal ammoniac, will keep the ſeeds cool, and preſerve their vegetative power.

Plants or ſhrubs that are to be tranſported, muſt be taken out with a lump of ſoil covering the roots, which muſt be wrapped in wet moſs, ſurrounded with paper or a Ruſſian baſt-mat and packthread; plants thus packed may be put in a cheſt or box upon a layer of three inches deep wet moſs in cloſe rows, filling up all vacancies with moſs. Some holes or ſlips in the lid of the box, covered with baſt-mats or ſail-cloth, will give them air, and a direction muſt be fixed on top, to keep the lid uppermoſt, and the box in an open but ſhady airy place, out of the ſpray of the ſea: the ſame caution, in regard to air and ſea, muſt be taken with the boxes containing ſeeds.

XII. Minerals, foſſils, and petrefactions of all kinds, ought to be wrapt ſeparately in papers, and the whole collection packed in hay, tow, hemp, or cotton, in a box, ſo that none of the ſpecimens may touch or rub one another when the box is tranſported by land-carriage, or ſhaken by the rolling of the ſea. Clays, earths, ſands, and ſalts, are beſt preſerved in glaſſes, or little glazed gally-pots covered with a bladder. Mineral waters may be ſafely filled in glaſs bottles, immediately after corked up and pitched, or covered with putty round the cork.

XIII.

XIII. Though antiquities are no ways in connection with Natural Hiſtory, it will however, be very acceptable, if the curious of North America will collect and communicate to their friends in Great Britain, all the inſcriptions, arms, vaſes, utenſils, idols, and other things, found in that continent, capable of throwing a light on the hiſtory and antiquities of its firſt inhabitants.

FLORA Americæ Septentrionalis;

OR A

CATALOGUE

OF THE

PLANTS

OF

NORTH AMERICA.

CONTAINING

An ENUMERATION of the known HERBS, SHRUBS, and TREES, many of which are but lately discovered;

TOGETHER WITH

Their ENGLISH NAMES, the PLACES where they grow, their different USES, and the AUTHORS who have described and figured them.

By JOHN REINHOLD FORSTER, F.A.S.

Rerum natura,—— narratur,—— ut plurimarum rerum aut rusticis vocabulis, aut externis, immo barbaris.——Præterea iter est, non trita auctoribus via, nec qua peregrinari animus est, Nemo apud nos, qui idem tentaverit; nemo apud *externos*, qui unus omnia ea tractaverit. PLIN. *hist. nat. proëm.*

LONDON:

Sold by B. WHITE, at Horace's Head, Fleet-street; and by T. DAVIES, in Russel-street, Covent-garden.

MDCCLXXI.

TO

DANIEL CHARLES SOLANDER, M.D.

Assistant Librarian to the British Museum.

GIVE me leave to join in the congratulation of all the town, and I may say of every man of learning and taste in England, on your happy return from the glorious circumnavigation of our globe. Were not envy a passion beneath the scholar, the honest man, and the friend; I would call thus that discontent I feel, for not having shared the dangers and the pleasures with you in this expedition, which will fix a new epocha in Natural History, on account of the immense additional riches of that nature you and your noble-minded friend imported into England. Confined to a narrower sphere, by a thousand fatal accidents, I offer you at your arrival in England nothing new. Even this *North American Flora* is

but

but a trifling Catalogue. The addition of a few Engliſh names is all the merit I can claim in this performance. Had I been happy enough to have your aſſiſtance in a work of this nature, it would have had a perfection it is now quite deprived of: it is therefore more in expectation to ſee your friendly and improving ſtrictures on it, that I take the liberty of inſcribing it to you, than with any other view.

May you long enjoy all that happineſs which your ſuperior merit and your excellent heart juſtly deſerves; this will be always the moſt ſincere and earneſt wiſh of him who is, with the trueſt regard,

Your moſt affectionate friend,

and moſt faithful humble ſervant,

JOHN REINHOLD FORSTER.

TO THE

READER.

THESE few ſheets are a mere Catalogue of plants. They might be thought of very little uſe, and even ſuperfluous, after the publication of Dr. *Gronovius's Flora Virginica*: but my plan was to give to the Engliſh reader a ſhort enumeration of the American plants with Engliſh names: At the ſame time I added ſome few plants which are but lately diſcovered, and were not known by Dr. *Gronovius*. The economical and medicinal uſes of ſome plants are another addition.

Having publiſhed a Catalogue of North American animals, my friends thought an enumeration of plants executed in the ſame manner, would contribute much towards promoting the ſtudy of the natural hiſtory of North America, and this was my chief motive for publiſhing this performance, and to join it to the *Fauna Americæ Septentrionalis*.

Theſe

These two pamphlets together will make a kind of appendix to *Kalm's Travels*, which might be bound up with one of the volumes: and the frequent quotations of Dr. *Gronovius*, *Sloane* and *Catesby*, in this *Flora of North America*, shew evidently, that it can be considered as an Index to them, so far as they describe or represent *North American* plants.

The English names are a very laborious work, and it is evident that I found myself obliged to make many new ones. This proceeded not from the vanity of being equal to this task, but rather from necessity. I have however consulted thereupon the best authors; and the analogy of the German and Dutch dialects, both nearly related to the English.

The utility of these English names is greater than one is aware of at first sight. They enrich the language, and fix those vague denominations of plants which cause so great a confusion and dryness in the study of botany, a science already too much charged with names, and bring it more *à la portée* of every man who should like to know plants without learning the scientific names and the Latin language. How far I have succeeded in this attempt I leave to the enlightened public to judge of.

In magnis voluisse sat est.

In

In the Catalogue of North American animals are ſome omitted, and ſome diſcovered ſince the publication that pamphlet, and I therefore found it moſt convenient to put them here by way of ſupplement.

Page 6. Sect. 11. before II. Sheep put — Penn. Syn.
Ox. American. — *Eur.* Quad. No. 6.
8. Genus II. Falcon before Bald Eagle,
Golden Eagle. F. chryſaëtos. — Boſſu I. p. 288.
10. Genus XIII. Creeper, add after common,
Pine Certhia pinus. — C. I. 61.
Ibid. Before Genus XV. Turkey
Bustard, common, otis tarda — Boſſu I. p. 94.
18. Among the Snakes,
Eggeater. Coluber ovivorus
22. Before Genus XXXII.
Trout, Inſert
Leatherfish Tang Teuthis hepatus. — C. II. 10.
Ibid. Before Genus XXXIII. Pike.
Add
Whiptail forked Fiſtularia tabaccaria — C. II. 17.
23. Before Genus XXXVIII.
Polyneme.
Flying Fish. Common Exocoetus volitans. — *Kalm.*
Round evolans. — C. II. 8.
Ibid. At the bottom of the page
Scarabæus Lanius — *Drury* t. 33. f. 8.

Page

Page 27. Among the Cerambyces.		
Cerambyx irroratus	*Drury*	t. 41. f. 3.
Ibid. Genus XXVIII. CAMEL-CRICKET Mantis, add,		
Mantis Gongylodes.	*Drury*	t. 50. f. 2.
28. Before Genus XXX.		
Gryllus tataricus	*Drury.*	t. 49. f. 2.
30. Under Genus XXXIX. Dragon-fly.		
Libellula Virgo γ	*Drury*	t. 48. f. 2.
Ibid. After Genus XLIII. put		
ANT-LION, Myrmeleon Formicalyn.	*Drury*	t. 46. f. 4.

A CATA-

A

CATALOGUE

OF THE

Known PLANTS, SHRUBS, and TREES in NORTH AMERICA.

Collected from the various WRITERS on that Subject.

CLASSIS I.

MONANDRIA.

MONOGYNIA.

Linnæan Names.	*English Names.*	*Places.*	*Authors & Observations.*
CANNA glauca	Indian shot	Carolina	Dill. elth. t. 59. f. 69.
CINNA arundinacea	Canada grass	Canada	
SALICORNIA Virgin.	Kelp, or Jointed glass-wort	Virginia	
CALLITRICHE verna	Star-grass	Ibid.	Gron. Fl. Virg. 143.

CLASSIS II.

DIANDRIA.

MONOGYNIA.

OLEA Americana	American olive	Car. Flor.	Catesb. i. 61. purple-berried bay
CHIONANTHUS Virg.	Fringe-tree	N. Amer.	Cat. i. 68.
CIRCÆA Canadensis	Enchanters nightshade	N. Amer.	

VERONICA	Virginica	Speedwell	Virginian	Virginia
	ſerpyllifolia		thyme leav'd	N. Amer.
	beccabunga		brooklime	Ibid.
	arvenſis		field	Ibid.
	Marilandica		Maryland	Ibid.
DIANTHERA	Americ.	Baſtard hedge-hyſſop		Virg. Flor. Pluk. amalth. t. 423. f. 5
GRATIOLA	Virginian.	Hedge-hyſſop	Virgin.	Virginia
UTRICULARIA	vulg.	Water-milfoil,	comm.	Ibid.
	ſubulata		ſubulated	N. Amer.
	gibba		gibbous	N. Amer.
VERBENA	orubica	Vervain,	orubian	Iſle of Arabua or Oruba
	nodiflora		jointed	Virginia
	haſtata		haſtated	N. Amer.
	Carolina		Carolina	N. Amer.
	urticifolia		nettle-leav'd	N. Amer.
	ſpuria		ſpurious	N. Amer.
LYCOPUS	Virginicus	Water-horehound	Vir.	Virginia
CUNILA	mariana	Penny-royal,	Virgin.	Virginia
	pulegioides		officinal	N. Amer. Kalm's Travels, vol. i. p. 194. affords a good pectoral and ſudorific medicine when infuſed like tea.
MONARDA	fiſtuloſa			Canada
	didyma			N. York & Penſylv.
	clinopodia			Virginia
	punctata			Virginia
	ciliata			Virginia
SALVIA	lyrata	Sage,	lyrated	Virginia
	urticifolia		nettle-leav'd	S. of No. Amer.
	verbenaca		ſinuated	Virginia
COLLINSONIA	Cana-denſis	Horſe-weed		Penſyl. & Virginia Kalm's Travels, vol. i. p. 197. is ſtrong ſcented, uſed as a cure for rheumatic diſorders; by an Indian againſt the bite of the rattleſnake.

CLAS-

CLASSIS III.

TRIANDRIA.

MONOGYNIA.

Valeriana locusta	Valerian, corn-sallad	Maryland	
Melothria pendula	Small creeping cucumber	N. Amer.	
Iris versicolor	Flower de luce, mottled	Penſ.&Vir	
Virginica	Virginian	Virginia	
verna	vernal	Virginia	
Commelina communis	Day-flower, common	N. Amer.	
erecta	upright	Virginia	
Virginica	Virginian	Virginia	
Xyris indica		N. Amer.	Raj. hiſt. pl. 2. p. 1318. Its juice cures tetters and other cutaneous diſorders.
Schoenus coloratus	Cyperus ruſh, ſpotted	Virginia	
glomeratus	globoſe	Virginia	
Cyperus odoratus	Cyperus, ſweet-ſcented	N. Amer.	
compreſſus	compreſſed	N. Amer.	
ſtrigoſus	ſtrigoſe	Virginia	
alternifolius	tall	Virginia	Linn. Sp. plant. p. 63. n. 4. Schoenus ſpathaceus.
Scirpus paluſtris	Ruſh-graſs, marſh	Canada	Kalm's Trav. iii. p. 83.
capitatus	globoſe	Virginia	
capillaris	dwarf	Virginia	
mucronatus	mucronated	Virginia	
echinatus	echinated	N. Amer.	
retrofractus		Virginia	
ſpadiceus	brown	Virginia	
Eriophorum Virgin.	Cotton graſs, Virgin.	Virginia	
cyperinum	yellow	N. Amer.	

DIGYNIA.

Phalaris oryzoides	Canary graſs, Americ.	Virginia	
Panicum glaucum	Panic graſs, rough-ſeeded	N. Amer.	
Italicum	hirſute	Virginia	
crus galli		Virginia	

Panicum	ſanguinale	Panic graſs, purple	N. Amer.	
	filiforme	ſlender	N. Amer.	Kalm.
	dichotomum	dichotomous	Virginia	
	clandeſtin.	ſheathed	Penſylva.	Kalm.
	capillare	capillaceous	Virginia	
	latifolium	broad leaved	Virginia	Gron. fl. virg. 11. ? Panicum paniculatum, floribus muticis. Pluk. alm. 176. t. 92. f. 7.
	virgatum	virgated	Virginia	
Agrostis	Virginica	Bent graſs, Virginian	Virginia	An eadem cum *Uniola ſpicata*, Linn. ?
Melica	altiſſima	Melic graſs, tall	N. Amer.	
Poa	anguſtifolia	Meadow graſs, narrow leaved	Canada	Kalm's Travels, vol. iii. p. 156.
	compreſſa	compreſſed	N. Amer.	Gron. fl. virg. 13. Poa panicula diffuſa angulis rectis, ſpiculis obtuſis culmo obliquo compreſſo.
	capillaris	capillaceous	Canada	Kalm's Trav. iii. p. 66.
Briza	eragroſtis	Quaking graſs	Virginia	
Uniola	paniculata	Spike graſs, panicled	Carolina	Sea-ſide oats. Cateſb. i. p. 32. t. 32.
	ſpicata	eared	N. Amer.	Confer. Agroſtis Virginica, Linn.
Dactylis	cynoſuroides	Cock's foot graſs	N. Amer.	
Cynosurus	Ægyptius	Dog's tail graſs	Virginia	Gron. fl. virg. 14.
Bromus	purgans	Brome graſs, purging	Canada	Kalm.
	ciliatus	ciliated	Ibid.	Kalm.
Stipa	avenacea	Feather-graſs	Virginia	
Avena	Penſylvanica	Oats, Penſylvanian	Penſylv.	Kalm.
	ſpicata	eared	Ibid.	
Arundo	phragmitis	Reed, common	Virginia	
	arenaria	ſand	N. Amer.	Kalm's Travels, vol. iii. p. 210.
Elymus	arenarius	Lyme graſs, ſea	Canada	Kalm's Trav. vol. iii. p. 210.
	Philadelph.	Penſylvanian	Penſylv.	
	Canadenſis	Canadian	Canada	Kalm.
	Virginicus	Virginian	Virginia	Gron. flor. virg. 15. Gramen ſpicatum ſecalinum.
	hyſtrix	bearded	Virginia	
Hordeum	jubatum	Barley, Canada	Canada	Kalm.

TRIGYNIA.

Eriocaulon decangulare		N. Amer.	Phil. Tranſ. vol. lvii. t.
Proserpinaca paluſtris		Virginia	
Holosteum ſuccu-lentum	American chick-weed, ſucculent	N. York	
Mollugo verticillata	Indian chick-weed, verticillated	Virginia	
Queria Canadenſis		N. Amer.	
Lechea minor		Canada	
major		Ibid.	

CLASSIS IV.

TETRANDRIA.

MONOGYNIA.

Cephalanthus occidentalis	Button wood	N. Amer.	
Dipsacus fullonum	Teazel, Fuller's	Virginia	
Spermacoce tenuior	Button weed, annual	Carolina	
Diodia Virginiana		Virginia	
Houstonia cœrulea		Ibid.	
purpurea		Ibid.	
Galium bermudenſe	Lady's bedſtraw Bermudian	Ibid. Virg. Ber.	
trifidum	trifid	Canada	Kalm.
tinctorium	dyers	N. Amer.	Kalm's Trav. III. p. 14.
uliginoſum	marſhy	North America?	Gron. fl. virg 18? Aparine floribus albis, caule quadrato infirmo, foliis ad ſingula genicula quatuor, fructu rotundo glabro lucido?
Catesbæa ſpinoſa	Lilly thorn	Bahama Iſlands	Cateſb. II. t. 100.
Mitchella repens		N. Amer.	Cateſb. I. 20
Callicarpa Americana		S. Provinces of N. America	Cateſb. II. 47

Polypre-

POLYPREMUM procumbens	Carolina flax	Virg.Car.	Gron. fl. virg. p. 19. *Polypremum*
PLANTAGO major	Plaintain, greater	Virginia	Gron. fl. virg. p. 19. Plantago foliis ovatis.
Virginica	Virginian	Virginia	
lanceolata β	lanceolated	Virginia	Gron. fl. virg. p. 19. Plantago, anguſtifolia glabra, cauliculis longis infirmis, ſpicis brevibus, ſtaminibus plurimis extantibus?
SANGUISORBA media	Wild burnet, cylindric	Canada	
Canadenſis	Canadian	Canada	
CORNUS Florida	Dogwood, florid	Virginia	Cateſb. I. t. 27.
ſanguinea	ſwamp	N. Amer.	An Gron. fl. virg. 20? Cornus foemina floribus candidiſſimis umbellatim diſpoſitis, baccis coeruleo viridibus, officulo duro, compreſſo biloculari?
alba	white	Canada	
Canadenſis	herbaceous	Canada	
PTELEA trifoliata	Shrub trefoil	Virginia	Gron. fl. virg. 20.
viſcoſa	Bermudian broom	Berm. Ille	Pluk. alm. 43. t. 141. f. 1
LUDVIGIA alternifolia	Baſtard looſe ſtrife, virginian	Virginia	
repens? N. S.	creeping	Virginia	Gron. fl. virg. 20. Ludwigia caule repente, foliis obverſe ovatis petiolatis. Clayt. n. 775. Ludvigia parva aquatica repens: caule ſuculento glabro rubente: floribus ex alis foliorum egreſſis, dilute luteis, tetrapetalis, fugaciſſimis, vix conſpicuis; foliis rubentibus, venoſis, glabris lucidis, ad finem rotundis, exadverſo binis: vaſculo folioſo in quatuor loculamenta diviſo.
OLDENLANDIA uniflora		Virginia	
AMMANIA ramoſior		Virginia	
ISNARDIA paluſtris		Virginia	

Dorstenia	contrayerva	Contrayerva	Louisian.? N. Spain	
Menandra	Gronovii N. S.		Virginia	Gron. fl. virg. 20. Menandra, ramis alternis.
	ternata N. S.		Virginia	Gron. fl. virg. 21. Menandra ramis ternis.

DIGYNIA.

Aphanes	arvensis	Parsley Piert	Virginia	
Hamamelis	Virginica	Witch hazel	Virginia	Catesb. app. t. 2.
Cuscuta	Americana	Dodder, American	Virginia	

TETRAGNIA.

Ilex	Aquifolium	Holly, common	Virginia	
	Cassine	Dahoon	Carolina	Catesb. I. t. 31. an. Gron. fl. virg. p. 222. Ilex maritima ramosa, foliis non sinuatis.
Potamogeton	natans, β	Pondweed, floating	Virginia	
	lucens	shining	Virginia	Gron. fl. virg. 23.
	pectinatum?	pectinated		Gron. fl. virg. 23. Potamogeton foliis longissimis gramineis.
	rotundifolium N. S.	round leaved	Virginia	Gron. fl. virg. 23. Potamogeton foliis subrotundis.
	oblongifolium N. S.	fœtid	Virginia	Gron fl. virg. 23 Potamogeton foliis oblongis.
Ruppia	maritima		Virginia	Gron. fl. virg. 23.
Sagina	procumbens	Spring chick-weed, creeping	Virginia	Gron. fl. virg. 23.
	Virginica	Virginian	Virginia	

CLASSIS V.

PENTANDRIA.

MONOGYNIA.

Myosotis Virginica	Mouse ear, American		Virginia	
Lithospermum Virginicum	Gromwell, Virginian		Ibid.	
Anchusa Virginica	Bugloss, Puccoon		Ibid.	
Cynoglosum officinale	Navelwort, officinal		Ibid.	
Virginicum		Virginian	Ibid.	Gron. fl. virg. 24. Its roots heal wounds, and stop the dysentery.
Pulmonaria Virginica	Lungwort, American		Virginia	In America, mountain cowslip. Gron. Its root has the quality of healing wounds.
Lycopsis arvensis	Wild Bugloss, common		Virginia	
Virginica		Virginian	Virginia	
Echium vulgare ? creticum ?	Vipers Bugloss, common		Virginia	
Dodecatheon Meadia	Meadia		Carolina	Catesb. app. t. 1.
Hydrophyllum Virginicum	Waterleaf, Virginian		Virginia	
Canadense		lobated	Canada	
Lysimachia quadrifolia	Loose strife, four-leaved		Virginia	
punctata		punctated	Virginia	
ciliata		ciliated	N. Amer.	
Anagallis arvensis	Red Pimpernel, com.		Virginia	It is a good medicine for strengthening the lungs, and mitigates the delirious fits in fevers.
Spigelia marilandica	Worm Honey-suckle		Maryland & S. Prov.	*Lonicera Marilandica*, Linn. Syst. Nat. Ed. XII. Vol. II. p. 166. Sp. pl. p. 249. Catesb. II. t. 78. Indian pink, its decoction good against worms.
Ophiorrhiza mitreola	Snake root, Virginian		Virginia	

Azalea nudiflora	Upright honey-fuckle	Virginia	Kalm's Trav. II. p. 169.	
viscosa	viscid	Virginia	Cateſb. I. p. 57. t. 57.	
Phlox paniculata	Baſtard Lychnis, paniculated	N. Amer.	P. Collinſon.	
maculata	ſpotted	N. Amer. N. York	Kalm's Trav. II. 222.	
piloſa	hairy	Virginia	Pluk. alm. 133.	
Carolina	Caroline	Carolina		
glaberrima	ſmooth	Virg. New York	Kalm's Trav. II. 222.	
divaricata	divaricated	Virginia		
ovata	oval leaved	Ibid.		
ſubulata	ſubulated	Ibid.		
ſetacea	ſetaceous	Ibid.		
Convolvulus arvenſis	Bindweed, field	Ibid.	Gron. fl. virg. 27.	
panduratus	pandurated	Ibid.		
Carolinus	Caroline	Carolina		
purpureus	purple	N. Amer.		
Batatas	potatoe	Carolina	Cateſb. II. t. 60.	
repens	creeping	N. Amer.		
ſpithameus	dwarf	N. Amer.		
Jalapa	True jalap	Louiſiana	*M. Boſſu* Mill. dict. n. 32.	
Ipomoea Carolina	Jaſmine bindweed, purple	Carolina	Cateſb. II. t. 91.	
lacunoſa		Virg Car.		
tamnifolia		Carolina		
Polemonium reptans	Jacob's ladder, creeping	Virginia		
rubrum	red	Carolina	Juſſieu.	
dubium	dubious	Virginia		
Campanula Americana	Bellflower, American	Penſylv.		
perfoliata	perfoliated	Virginia		
Samolus valerandi	Water Pimpernel, round leaved	N. Amer.		
Lonicera ſempervirens	Honeyſuckle evergreen	South of N. Amer.		
Symphoricarpos	St. Peter's	Car. Virg.	Its root pounded and taken in a moderate doſe is an infallible remedy againſt intermittent fevers. *Clayt.*	
Diervilla	Dierville's	N. York Nov. Sco.		
Triosteum perfoliatum	Fever-root, Cinque	N. Amer.	In Penſylvania it is called *Gentian.* Clayt.	

Tri-

TRIOSTEUM angustifolium	narrow leaved	Virginia	
CONOCARPUS erecta	Button tree	Berm. Isl. Penſylv.	Cateſb. II. t. 33.
KUHNIA eupatorioides			
ELLISIA Nyctelea	Elliſia	Virginia	Polemonium Nyctelea Sp. l. p. 231.
VERBASCUM Thapſus	Mullein, great yellow	Ibid.	
Blattaria	annual	Ibid.	Gron. fl. virg. 31. Verbaſcum fol. incanis maximum odoratum, floribus luteis & albis a rcte cauli adhærentibus & foliis multis anguſtis inter flores emanantibus. Moriſ. hiſt. 2. p. 485.
DATURA ſtramonium	Thorn apple, common	N. Amer.	
varietas flore cœruleo		Virginia	Gron. fl. virg. 32.
NICOTIANA Tabacum	Tobacco, ſeſſile	N. Amer.	
ruſtica	petiolated	Ibid.	
PHYSALIS viſcoſa	Winter cherry viſcid	Virginia	
Penſylvanica	Penſylvania	Virginia Penſylv.	
Pruinoſa		Virginia	Gron. fl. virg. 32. Phyſalis foliis ovatis amplis mollibus acute ſinuatis nonnihil viſcoſis odoratis Clayt. n. 787. Dill. elth. p. 10. t. 9. f. 9.
SOLANUM nigrum	Night ſhade, black	Virginia	
mammoſum		Ibid.	
Virginianum	Virginian	N. Amer.	
Indicum ?	Indian	New Sp.	Pluk. alm. 350. t. 225. f. 6.
Carolinenſe	Caroline	Carolina	
Bahamenſe	Bahama	Iſle of Providence, one of the Bahamas, and in Virginia	Gron. fl. virg. p. 32. Clayt. n. 862.
CHIRONIA campanulata		Canada	Kalm
angularis		Virginia	Kalm
CORDIA Sebeſtena	Sebeſter	Carolina	Cateſb. II. t. 91.

SIDE-

SIDEROXYLON lycioides	Ironwood lanceolated	Canada	
decandrum	elliptic	N. Amer.	
tenax	tough	Carolina	D. Garden
RHAMNUS volubilis, N. S.	Buckthorn Sup. Jack.	N. Amer.	This ſpecies has lately been deſcribed and found to be a *Rhamnus*; it is not yet in Linnæus's works. The practice of making ſticks of this tree; is ſo well known, that it is ſcarce worth mentioning.
CEANOTHUS Americanus	New Jerſey Tea, common.	N. Amer.	
CELASTRUS bullatus	Staff tree, elegant	Virginia	
ſcandens	twining	Ca. Virg.	
myrtifolius	myrtle leaved	Virginia	
EVONYMUS Americanus	Spindle tree, American	Virginia	
CYRILLA racemiflora		Carolina	D. Garden.
ITEA Virginica		Virginia	
GALAX aphylla		Virginia	
RIBES Groſſularia	Gooſeberry, common	Virginia	Gron. fl. virg. 34.
nigrum β	Currant, black	Penſylv.	
oxyacanthoides	Gooſeberry, hawthorn like	Canada	
Cynoſbati	Canadian	Canada	Kalm
HEDERA quinquefolia	Ivy, American	Can. Virg	
VITIS vinifera?	Vine, Noah's	Virginia?	Linn. ?
labruſca	woolly	N. Amer.	Gron. fl. virg. 34.
vulpina	fox-grape	Ibid.	Gron. fl. virg. 34.
arborea	arboreſcent	Virg. Car.	Gron. fl. virg. 35.
CLAYTONIA virginica		Virginia	
ACHYRANTHES dichotoma		Ibid.	Linn. Mantiſſ. pl. p. 51.
CELOSIA paniculata?	Cock's-comb, panicu-lated	Ibid.?	Gron. fl. virg. 35.? *Celoſia* foliis lanceolato ovatis panicula diffuſâ filiformi?
GLAUX maritima	Sea milkwort	Canada	Kalm's Trav. iii. 201.
THESIUM umbellatum		Penſ. Virg	Kalm.
VINCA lutea	Periwinkle, yellow	Carolina	Cateſb. ii. t. 53.
PLUMERIA obtuſa	Tree-jaſmine, obtuſe	Baha. Iſles	Cateſb. ii. t. 93.
rubra?	red	Ibid.?	Cateſb. ii. t. 92.
ECHITES umbellata		Baha. Iſles	Cateſb. i. t, 58.
TABERNÆMONTANA amſonia		Virginia	

CYNAN-

DIGYNIA.

CYNANCHUM	ſuberoſum	Baſtard dog's-bane	Virginia	
APOCYNUM	androſæmifolium	Dog's-bane, oval	Canada, N. York	Kalm's Trav. iii. p. 26.
	cannabinum	Indian hemp	Penſylv. & Virginia	Kalm, i. p. 13. & ii. p. 131. Uſed inſtead of hemp.
ASCLEPIAS	variegata	Swallow-wort, ſpotted	N. Amer.	Gron. fl. virg. 38. ? Aſclepias caule erecto ſimplici maculato fol. lanceolato --- oblongis, glabris, ſubtus pallidis
	ſyriaca	ſyrian	Vir. Can.	Kalm's Trav. iii. p. 28.
	purpuraſcens	purple	Carolina	Gron. fl. virg. 38. ? Aſclepias caule erecto ramoſo, fol. lanceolatis integerrimis oppoſitis, umbella erecta terminali.
	amœna	beautiful	N. Amer.	Gron. fl. virg. 37. ? Aſclepias erecta non ramoſa, fol. oblongis glabris acuminatis.
	nivea	white	Virginia	
	incarnata	bloody	Ibid.	
	tuberoſa	orange	N. Amer.	
	decumbens	decumbent	Virginia	
	verticillata	verticillated	Ibid.	
	rubra	red	Ibid.	
CHENOPODIUM	Bonus Henricus	Gooſe-foot, ſagittated	Ibid.	Gron. fl. virg. 38.
	album	white	Ibid.	Kalm's Trav. i. p. 118.
	rubrum ?	red	Ibid.	Gron. fl. virg. 39. Chenopodium caule rubente, ſtriato foliis amplis triangularibus ſerratis.
	ambroſioides	ſweet-ſcented	S. of N. Amer.	Linn.
	anthelminticum	worm	Penſylva.	Kalm's Trav. i. p. 163. & Gron. fl. virg. 39. Botrys prælta fruteſcens foliis longis laciniatis. Its ſeeds kill the worms. *Kalm. Clay.*
	ariſtatum	briſtly	Virginia	

SAL-

Salsola Tragus rosacea?	Glass-wort rosaceous		Virginia Ibid.	Gron. fl. virg. 38. Gron. fl. virg. 38. Kali spinosum, foliis brevioribus caulibus rubris? *Clayt.*
Soda	Soda		E. Florida	Stork's Florida.
Ulmus Americana	Elm, American		N. Amer.	Kalm's Trav. i. 67. & ii. 298.
procerior foliis angustioribus				Clayt. Gron. fl. virg. 39. varietas præcedentis?
Heuchera americana.			Virginia	
Swertia difformis	Nectar-gentian,	virg.	Ibid.	A specific against the bite of a mad dog.
corniculata	horned		Canada	Kalm.
Gentiana saponaria	Gentian, soapwort		Virginia	Catesb. i. t. 70.
villosa	hoary		Ibid.	
centaurium	less. centaury		Ibid.	Gron. fl. virg. 40.
quinquefolia	pensylvanian		Pensylv.	Kalm.
lutea	yellow		Virginia	Kalm's Trav. i. p. 138.
ciliata	ciliated		Canada	
Eryngium fœtidum	Sea-holly, fœtid		Virginia	
aquaticum	aquatic		Ibid.	
Hydrocotyle vulg.	Water-navelwort, com.		Ibid.	Gron. fl. virg. 41.
umbellata	umbelliferous		Ibid.	
americana	American		N. Amer.	
Sanicula, Europæa?	Sanicle, common		Ibid.?	Linn. Sp. pl. p. 339.
Canadensis	Canada		Canada	
Marilandica	Black snake-root		Virgin. & Maryland	
Tordylium anthriscus	Hedge-parsley		Virginia?	Gron. fl. virg. 42.?
Daucus carota	Carrot, common		Ibid.	Gron. fl. virg. 42.
Ferula Canadensis	Belly-ach root?		Virginia, Canada	Gron. fl. virg. 43. Angelica foliis æqualibus ovatis incisoserratis.
Ligusticum Scoticum	Lovage		Ibid.	
Angelica atropurp.	Angelica, purple		Canada	
sylvestris	common		Virginia	
lucida	Belly-ach root		Canada	Gron. fl. virg. 43. Angelica foliis æqualibus ovatis incisoserratis. This seems to be entirely the same with the *Ferula Canadensis*, Linn.

Sium rigidius	Water-parſnep, Amer.	Virginia	
Sison Canadenſe		Canada	Kalm's Trav. iii. 27.
Cicuta bulbifera	Water-hemlock, bulb.	Canada, Virginia	Gron. fl. virg. 42. Ammi.
maculata	ſpotted	Virginia	
Scandix procumbens	Wild chervil, Virgin.	Ibid.	
Chærophyllum arboreſcens	Chervil, ſhrubby	Ibid.	
Thapsia trifoliata		Ibid.	Gron. fl. virg. 43. Sium folio infimo cordato, caulinis ternatis omnibus crenatis.
Smyrnium aureum integerrimum	Alexanders, golden columbine-leaved	N. Amer. Virginia	

TRIGYNIA

Rhus glabra	Sumach, ſmooth	N. Amer.	Cateſb. app. t. 4.
vernix	poiſon-wood	Ibid.	Kalm's Trav. i. p. 77.
copallinum	copal tree	Virg. Flo.	
radicans	poiſon-oak	N. Amer.	Kalm's Trav. i. p. 177.
toxicodendron	ivy-leaved	Ibid.	
typhina	virginian	Virginia	
Viburnum nudum	Viburnum, naked	Ibid.	
prunifolium	prune-leaved	Ib. & Can.	
dentatum	denticulated	Vir. Can.	Kalm's Trav. iii. p. 162.
acerifolium	maple leaved	Ibid.	Gron. fl. virg. 47. foliis trilobis dentatis.
lentago	marginated	Canada	Kalm.
caſſinoides	baſtard caſſine	N. Amer.	Gron. fl. virg. 46. Caſſine.
lantana ?	mealy	Virginia	Gron. fl. virg. 46. ? Viburnum fol. cordato-orbiculatis, glabris ſerrato plicatis ?
Sambucus canadenſis	Elder, american	N. Amer.	Kalm's Trav. i. p. 66. & ii. p. 283.
nigra	black	N. Amer.	Gron. fl. virg. 47.
Staphylea trifolia	Bladder-wort, americ.	Virginia	
Sarothra gentianoides	Baſtard gentian	Virgin. & Penſylv	Kalm's Trav. i. 126. Ground-pine. Clayt. Is a good traumatic.

PENTAGYNIA.

Aralia ſpinoſa	Baſtard angelica, prickly	Virginia	Prickly aſh---in America. *Clayt.*
racemoſa	racemoſe	Canada	
nudicaulis	naked	Virginia	

STATICE armeria	Sea-pink, capitated	N. Amer.	
limonium	smooth leaved	Virginia	
LINUM virginianum	Flax, virginian	N. Amer.	
DROSERA rotundifolia	Sundew, common	Ibid.	

CLASSIS VI.

HEXANDRIA.

MONOGYNIA.

TILLANDSIA usneoides		Virginia	Of the inner fibres of this plant the Baltimore-birds (orioli) make their nests.
BURMANNIA biflora		Ibid.	
TRADESCANTIA virginica	Spider-wort, virginian	Ibid.	
PONTEDERIA cordata		Virginia	
PANCRATIUM caro-linianum	Sea-daffodil, american	Carolina	Catesb. app. t. 5.
AMARYLLIS atamasco	Attamusco liily	Virginia	Catesb. app. t. 12.
ALLIUM canadense	Garlic, canadian	Canada, Pensylv.	Kalm's Trav. ii. p. 133. Gron. fl. virg. 50.? Allium radice lateralli, cordata solida, capite bulbifero ?
ursinum	wild	Ib. Virg.	Gron. fl. virg. 50.
LILIUM superbum	Lily, golden martagon	N. Amer.	Catesb. i. 50. Lilium. f. Martagon floribus aureis.
canadense	canada	Canada	Catesb. app. t. 11.
philadelphicum	pensylvania	Pens. Can.	Catesb. ii. t. 58.
camschatense	northern		
UVULARIA perfoliata		Vir. Can.	
sessilifolia		Canada	Kalm.
ERYTHRONIUM dens canis γ	Dogs-tooth-violet	Virginia	
HYPOXIS erecta	Bastard star-flower, upright	Ibid.	
sessilis	sessile	Carolina	
ANTHERICUM caly-culatum	Spiderwort, trigynous	Virginia	
LEONTICE thalictroides	Lion's leaf, virginian	Ibid.	
CONVALLARIA polygonatum	Convallary, Solomon's seal	Ibid.	

Con-

CONVALLARIA racemosa	Convallary, racemose	Can. Vir.	
stellata	stellated	Canada	
ALETRIS farinosa		N. Amer.	
YUCCA filamentosa	Silkgrass-plant, filamentose	Virginia	
AGAVE virginica	Bastard aloe, virginian	Virginia	
ACORUS calamus	Sweet flag, common	Ibid.	
ORONTIUM aquaticum	Tawkeearum, floating	Can. Vir.	Kalm's Trav. ii. p. 101.
JUNCUS effusus	Rush, smooth	Virginia	
filiformis	filiform	Ibid.	
nodosus	jointed	N. Amer.	Gron. fl. virg. 54. Juncus foliis articulosis, floribus umbellatis capsulis triangulis. *Clay.*
bulbosus	bulbous	Virginia	Gron. fl. virg. p. 53.
ACHRAS sapota	Sapadillo tree	Baha. Isles	Catesb. ii. t. 87.
PRINOS verticillatus	Winterberry, verticil.	Virginia	
glaber	cassine	Canada, Carolina Florida,	Catesby, ii. 57. Kalm. A decoction of it is drank by the Indians in West Florida, and called the *liquor of valour:* it is a strong diuretic. *Bossu.*
BURSERA gummifera	Gum elemy-tree	Baha. Isles	Catesb. i. t. 30.

TRIGYNIA.

RUMEX sanguineus	Dock, red	Virginia	
verticillatus	verticillated	Ibid.	
Britannica	paniculated	Ibid.	
persicarioides		Ibid.	
acetosella	sorrel	Ibid.	
TRIGLOCHIN maritimum	Arrow-headed grass	Canad. N. York	Kalm's Trav. i. p. 138.
MELANTHIUM virginicum		Virginia	
MEDEOLA virginica		Ibid.	
TRILLIUM cernuum	Three-leaved nightshade, hanging	Carol. N. York?	Catesb. i. t. 45.
erectum	upright	Can. Vir.	
sessile	sessile	Ibid.	Catesb. i. t. 50. Trillium foliis ternis subovatis obtusis, flore sessili erecto unico; *Gron. fl. virg.* 56. seems to be a variety of this.

HELO-

Helonias bullata		Penſylva.	
asphodeloides		Ibid.	

POLYGYNIA.

Alisma cordifolia	Water-plaintain, cordated	Virginia	
ſubulata	ſubulated	Ibid.	

CLASSIS VII.

HEPTANDRIA.

MONOGYNIA.

Trientalis Europæa		Virginia Cat's hills	Kalm's Trav. i. p. 138.
Aesculus pavia	Buck's eye.	Carolina	

TRIGYNIA.

Saururus cernuus	Lizards-tail.	Virginia	

CLASSIS VIII.

OCTANDRIA.

MONOGYNIA.

Rhexia virginica	Soap-wood, ſerrated	Virginia	
mariana	ciliated	Maryland	
Oenothera biennis	Night-willowherb, biennial	Can. Vir.	Kalm's Trav. iii. p. 294.
parviflora	ſmall flowering	N. Amer.	
octovalvis	great	Ibid.	
molliſſima	ſoft	Virginia	
fruticoſa	fruteſcent	Ibid.	
pumila	dwarf	N. Amer.	
Gaura biennis	Yellow looſeſtrife, virginian	Virginia,	
Epilobium hirſutum	Podded looſe-ſtrife, rough	Penſylv. Virginia	

AMYRIS elemifera	Balſam-tree, gum-elemy		Crolina	Cateſb. ii. t. 33.
toxifera		poiſonous	Ibid.	Cateſb. i. t. 40.
CHLORA dodecandra			Virginia	Chironia dodecandra, *Linn.* Sp. pl. p. 273.
VACCINUM ſtamineum	Whortleberry		N. Amer.	Called gooſeberry in North America.
album		white	Penſylva.	Kalm.
mucronatum		mucronated	N. Amer.	Kalm.
corymboſum		corymboſe	Ibid.	Kalm.
frondoſum		ſhady	Virginia	
liguſtrinum		privet	Penſylva.	
Oxyococcos		moſs	N. Amer.	
hiſpidulum		prickly	Ibid.	Kalm's Trav. ii. p. 79. 80. American cranberries.
DIRCA paluſtris	Leather-bark, marſh		Virginia	Kalm's Trav. ii. p. 148. *Mouſe-wood.*

TRIGYNIA.

POLYGONUM virginianum	Knotweed, virginian		Virginia	
perſicaria		arſe-ſmart	Ibid.	
penſylvan.		penſylvanian	Penſylv.	
maritimum		maritime	Virginia	
aviculare		bird's	Ibid.	
erectum		upright	Penſylv.	
articulatum		jointed	Canada	
ſagittatum		ſagittated	Vir. Mary	*Cow tongue.* Clayt.
arifolium		haſtated	Flor. Virg	Gron. fl. virg. 62.
convolvulus		brank	Virginia	
COCCOLOBA uvifera	Mangrove grape-tree, ſmooth		Baha. Iſles	Cateſb. ii. 96.
SAPINDUS ſaponaria?	Soap-berry		Ibid.	Cateſb. i. 98?

TETRAGYNIA.

ELATINE hydropiper	Water-pepper	Virginia	

CLASSIS IX.

ENNEANDRIA.

MONOGYNIA.

LAURUS indica	Bay, virginian	Virginia	

LAURUS

Laurus borbonia	Bay,	red	Flor. Car.	Cateſb. i. t. 63. Its wood is equal in goodneſs to the beſt mahogany. *Bartram. Flor.*
Perſea		avogato	N. Spain, Louiſiana	
æſtivalis		ſpice-wood	Virginia	Cateſb. ii. 28. Kalm's Trav. i. 68.
benzoin		wild pimento	Ibid.	
ſaſſafras		ſaſſafras	all N. Am.	Cateſb. i. 55. Kalm's Trav. i. 68. 146. 340.

CLASSIS X.

DECANDRIA.

MONOGYNIA.

Sophora tinctoria	Wild indigo, dyers		Virginia	
alba		white	Carolina	Linn. Sp. pl. p. 1006. *Crotalaria alba.*
Cercis canadenſis	Sallad tree		Virginia	Kalm's Trav. i. 69.
Hymenæa courbaril	Locuſt-tree		Moſk. ſho.	Ellis's Directions, p. 29.
Cassia liguſtrina	Caſſia,	privet-like	Virginia	
marilandica		maryland	Maryl. Vir	
chamæcriſta		ſenſitive	Penſylv.	Kalm's Trav. i. p. 121. Its leaves ſhrink at the touch, like thoſe of the *mimoſa*, or ſenſitive plant.
nictitans		triflorous	Virginia	
procumbens		procumbent	Ibid.	
Guilandina dioica	Nickar nut		Flor. Can.	Bartram's Journ.
Swietenia mahogoni	Mahogany-tree		Florida	
Cæsalpinia braſilienſis	Braſilleto,		Carolina	Carolina Cateſb. ii. t. 51.
Monotropa hypopithys			Canada	
uniflora			Virginia	
Jussiæa erecta			Ibid. ?	
Kalmia latifolia	Dwarf-laurel,	broad-leaved	Maryland Penſylv. Virgin. N. York.	Kalm's Trav. i. 336. *Spoon-tree*, Cateſb. ii. t. 98. Its leaves lethal to cattle, but eaten without inconvenience by the deer.

KALMIA angustifolia	Dwarf-laurel, narrow-leaved		Pensylv. N.York	Kalm's Trav. ii. 215. Catesb. app. t. 17. f. 1. Its leaves have the same quality with those of the preceding species.
RHODODENDRON maximum	Rose-bay		Virginia	Catesb. app. t. 17. f. 2.
DIONÆA *Muscipula* NS	Venus's fly-trap		Carolina	Ellis's Dissertation.
ANDROMEDA mariana	Wild rosemary,		Maryl. Vir. Mary	
paniculata		paniculated	Ibid.	Catesb. ii. t. 43.
racemosa		racemose	Pensylv.	
arborea		sorrel-tree	Virg. Car.	Catesb. i. t. 71.
calyculata		calyculated	Can. Vir.	
EPIGÆA repens	Creeping ground-laurel		N. Amer.	Kalm's Trav. ii. p. 130.
GAULTHERIA procumbens			Canada	Kalm.
ARBUTUS uva ursi	Bear-berry		Canada, N.York	
CLETHRA alnifolia			Car. Virg. & Pensyl.	Catesb. i. t. 66.
PYROLA rotundifolia	Winter-green, round-leaved		Virginia	
umbellata		umbellated	N. Amer.	
maculata		spotted	Virginia	

DIGYNIA.

HYDRANGEA arborescens			Virginia
CHRYSOSPLENIUM oppositifolium	Golden saxifrage		Canada
SAXIFRAGA pensylvanica	Saxifrage, capitated		Can. Vir.
nivalis		snow	Ibid.
TIARELLA cordifolia	Mitre-wort, cordated		N. Amer.
MITELLA diphylla	Bastard American sanicle		Ibid.
SAPONARIA officinalis	Soap-wort, officinal		Virginia
DIANTHUS plumarius	Pink, feather		Canada

TRIGYNIA.

CUCUBALUS stellatus	Lychnis campion		Vir. Can.
SILENE nocturna	Viscous campion, night flowering		Pensylv.

SILENE

Silene virginica	Viſcous campion, virginian	Virginia		
antirrhina	trifid	Vir. Car.		
Arenaria ſerpyllifolia	Sandwort, thyme-leaved	Virginia	Gron. fl. virg. 70.	
rubra β	red	Ibid.		

PENTAGYNIA.

Sedum rubens?	Houſe-leek, red	Virginia	Gron. fl. virg. 71. Sedum.
Penthorum ſedoides		Ibid.	
Oxalis acetoſella	Wood ſorrel, common	Canada	Kalm's Trav. iii. 161.
longiflora	long-flowered	Virginia	
violacea	violet	Vir. Can.	
corniculata	yellow	Penſylva.	Kalm's Trav. i. p. 201.
ſtricta	branched	Virginia	
Cerastium ſemidecandrum	Mouſe-ear chick-weed, emarginated	Ibid.	
arvenſe	rough	Ibid.	Gron. fl. virg. 71.

DECAGYNIA.

Phytolacca decandra	Poke, virginian	N. Amer.	Kalm's Trav. i. 196.

CLASSIS XI.

DODECANDRIA.

MONOGYNIA.

Asarum canadenſe	Aſarabacca, canadian	Canada	
virginicum	virginian	Virg. Car.	
Rhizophora mangle	Mangrove-tree	Baha. Iſles	Cateſb. ii. t. 63.
Halesia tetraptera		Carolina	Cateſb. i. t. 64.
diptera		Ibid.	Ellis. Philoſ. Tranſ. vol. li.
Winterania canella	White cinnamom	Baha. Iſles Florida,	Cateſb. ii. t. 50. Winter's bark.
Hudsonia ericoides		Virginia	
Portulaca oleracea	Purſlain, common	N. York	Kalm's Trav. ii. p. 284.
Lythrum verticillatum	Willow-herb, verticillated	Virginia	

Lythrum petiolatum	Willow-herb, petiolated	Virginia	
lineare	linear	Ibid.	

DIGYNIA.

Agrimonia eupatoria	Agrimony, common	Virginia	

TRIGYNIA.

Euphorbia maculata	Spurge, ſpotted	N. Amer.	
polygonifolia	procumbent	Vir. Can.	
Ipecacuanhæ	vomitive	Ibid.	Is uſed internally by ſome of the northern planters as a vomit.
portulacoides	purſlain-like	Penſylv.	
corollata	corollated	Vir. Can.	
hypericifolia	divaricated	Ibid.	
characias	perfoliated	Ibid.	Gron. fl. virg. 74.

OCTOGYNIA.

Illicium aniſatum ſ. floridanum	Badian or Star-aniſe	Floridas	William Clifton, Eſq; chief-juſtice of Weſt Florida found it near Penſacola. John Bartram found it in Eaſt Florida. It grows in Japan, and there is called *Skimmi* or *Sanmo*. Vide Kæmpfer's amœn. ex. p. 880. Its ſeed is a good ſpice, known abroad by the name of Star-aniſe or Badian. Ellis. Phil. Tranſ. vol. lx.

CLAS-

CLASSIS XII.

ICOSANDRIA.

MONOGYNIA.

CACTUS Opuntia	Prickly pear	Virginia	
PHILADELPHUS inodorus	Mock orange, American	Carolina	Cateſb. ii. t. 84.
PUNICA granatum	Pomegranate-tree	Florida	Bartram's Journ.
PRUNUS virginica	Prune, bird-cherry	Virginia, Carolina	Kalm's Trav. i. p. 67. Cateſb. i. t. 28.
canadenſis	canadian	Canada	
pumila	dwarf	Ibid.	
domeſtica	common	Penſylv.	Kalm's Trav. i. p. 67.
ſpinoſa	ſpinoſe	Ibid.	Ibid. p. 68.
ceraſus ?	wild cherry	Canada	Kalm's Trav. iii. p. 160.

DIGYNIA.

CRATÆGUS coccinea	Hawthorn, virginian azarole	Vir. Can.	
crus galli	cockſpur	Ibid.	Kalm's Trav. i. p. 115.
tomentoſa	currant	Ibid.	Kalm's Trav. ii. p. 151.
viridis	green	Ibid.	Gron. fl. virg. edit. prior. 163.
SORBUS aucuparia	Mountain-aſh	Canada	Kalm's Trav. iii. 151.

PENTAGYNIA.

MESPILUS arbutifolia	Medlar, virginian	Virginia	
canadenſis	canadian	Can. Virg	
PYRUS coronaria	Crab-tree, virginian	N. Amer,	Kalm's Trav. ii. 166.
SPIRÆA tomentoſa	Meadow-ſweet, woolly	Penſylv.	
hypericifolia	tutſan-leaved	Canada	
opulifolia	lobated	Can. Virg	
aruncus	goat's beard	Virginia	
trifoliata	trifoliated	Vir. Can.	

POLYGYNIA.

ROSA carolina	Roſe, Carolina	N. Amer.	
canina	wild	Virginia	Gron. fl. virg. p. 77.

Rubus idæus?	Raſp-berry, common	Virginia	Gron. fl. virg. p. 78.
occidentalis	american	Can.Penſ.	Kalm's Trav. i. p. 66.
hiſpidus	hiſpid	Ibid.	
fruticoſus	Black-berry, common	Virginia	
canadenſis	canada	Canada	
odoratus	odoriferous	Ibid.	
arcticus	northern	Ibid.	
Dalibarda	Dalibard's	Ibid.	
Fragaria veſca	Strawberry, common	Can. Vir.	
Potentilla fruticoſa	Cinquefoil, fruteſcent	N. York	Kalm's Trav. i. p. 138.
canadenſis	canadian	Canada	
reptans	creeping	Virginia	
norvegica	northern	Canada	
Geum virginianum	Herb-bennet, virginian	Virginia	
Comarum paluſtre	Marſh cinquefoil	N. Jerſey	Kalm's Trav. i. p. 138.
Calycanthus floridus		Carolina	Cateſb. i. t. 46.

CLASSIS XIII.

POLYANDRIA.

MONOGYNIA.

Actæa ſpicata, alba	Herb Chriſtopher, berry-bearing	N. Amer.	
racemoſa	capſular	Flor.Can.	
Sanguinaria canadenſis	Blood-root, Puccoon	N. Amer.	Kalm's Trav. ii. p. 130. Cateſb. i. t. 24. The root is an emetic.
Podophyllum peltatum	May-apple, pellated	Ibid.	
diphyllum	cordated	Virginia	Gron. fl. virg. 81.
Chelidonium glaucum	Celandine, ſmooth	Ibid.	
Sarracenia flava	Side-ſaddle flower, yellow	Virginia, N. Carol.	Trumpet-flower. Clay, Cateſb. i. 69.
purpurea	purple	Ibid.	Cateſb. ii. t. 70.
Nymphæa lutea	Water-lilly, yellow	Canada	
alba	white	Virginia	Gron. fl. virg. 81.
lotus	dentated	Virginia	
Sloanea emarginata		Carolina	Cateſb. ii. t. 87.?
Tilia americana	American Lime-tree	Vir. Can.	Kalm's Trav. i. p. 69.
Ciſtus canadenſis	Rock-roſe, Canada	Canada	

TR I-

TRIGYNIA.

DELPHINIUM staphisagria	Larkspur,	staveſacre	Virginia	Gron. fl. virg. 82.
ACONITUM uncinatum	Wolf's-bane,	uncinated	Penſylv.	
napellus		monk's hood	Virginia	

PENTAGYNIA.

AQUILEGIA canadenſis	Columbine,	canadian	Canada	

POLYGYNIA.

LIRIODENDRON tulipifera	Tulip-tree		N. Amer.	Cateſb. i. 48. Kalm's Trav. i. 66. 202.
MAGNOLIA grandiflora	Magnolia,	great	Flor. Car.	Cateſb. ii. t. 61.
glauca		ſwamp	Vir. Penſ.	Cateſb. i. t. 39.
acuminata		acuminated	Penſylv.	Cateſb. app. t. 15.
tripetala		umbrella	Car. Virg.	Cateſb. ii. t. 80.
ANNONA muricata	Cuſtard apple,	muricated	Penſ. Virg	Kalm's Trav. i. 69.
reticulata		reticulated	Baha. Iſles	
glabra		ſmooth	Carolina	Cateſ. ii. 64.
triloba		trilobated	Ibid.	Ibid. t. 85.
ANEMONE hepatica	Anemone,	liver-wort	Virginia	Kalm's Trav. ii. 104.
canadenſis		canada	Penſylv.	Dr. Hope.
virginica		virginian	Ibid.	
dichotoma		dichotomous	Canada	
quinquefolia		five-leaved	Can. Vir.	
thalictroides		columbine	Canada	
CLEMATIS viorna	Virgin's bower,	violet	Virg. Car.	
criſpa		criſpated	Carolina	
virginiana		odoriferous	N. Amer.	
vitalba		broad-leaved	Virginia	
THALICTRUM Cornuti	Meadow Rue,	Canada	Canada	
dioicum		dwarf	Ibid.	Gron. fl. virg. 85.
purpuraſcens		purple	Ibid.	
RANUNCULUS abortivus	Crowfoot,	triflorous	Vir. Can.	
ſceleratus		corroſive	Ibid.	
bulboſus		bulbous	Ibid.	
repens		creeping	Ibid.	

RANUN-

RANUNCULUS muricatus	Crow-foot, muricated	Vir. Can.	
aquatilis	aquatic	Ibid.	
HELLEBORUS fœtidus	Hellebore, fœtid	Virginia	
trifolius	ternated	Canada	Kalm's Trav. iii. 160.
CALTHA paluſtris	Marſh Marygold	Virginia	
HYDRASTIS canadenſis		Canada	Ellis.

CLASSIS XIV.

DIDYNAMIA.

GYMNOSPERMIA.

TEUCRIUM chamæpithys	Germander, ground-pine	Virginia	
canadenſe	canadian	Canada	
virginicum	virginian	Virginia	
SATUREJA virginica	Savory, virginian	Ibid.	
HYSSOPUS nepetoides	Hyſſop, quadrangular	Ib. & Can.	
NEPETA Cataria	Cat-mint, common	Ibid.	
virginica	virginian	Ibid.	
MENTHA viridis ?	Mint, green	Ibid.	Gron. fl. virg. p. 89. ?
canadenſis	canada	Canada	
LAMIUM amplexicaule	Dead nettle	Virginia	
STACHYS annua	Baſe Horehound, annual	Ibid.	
MARRUBIUM vulgare	Horehound, common	Ibid.	
LEONURUS cardiaca	Lion's tail, motherwort	Ibid.	Gron. fl. virg. p. 90.
CLINOPODIUM vulg.	Field-Baſil, common	Canada	
incanum	tomentoſe	N. Amer.	
rugoſum	rugoſe	Carolina	
ORIGANUM vulgare	Wild marjoram, common	Can. Virg	
MELISSA nepeta	Baulm, cat	Virginia	
DRACOCEPHALUM	Dragon's-head	Ibid.	
virginianum		Ibid.	
HORMINUM virginicum	Virginian Clary		
TRICHOSTEMA dichotomum		Vir. Penſ.	
brachiatum		Ibid.	
SCUTELLARIA lateriflora	Skull-cap, lateral	Can. Vir.	
integrifolia	entire	Ibid.	

Scu-

Scutellaria	hyssopifolia	hyssopleaved	Canada Virginia	
Prunella	vulgaris	Self-heal, common	Ibid.	A good traumatic
	grandiflora?	great?	Ibid.	Gron. fl. virg. p. 91. Prunella sylvestris autumnalis, floribus dilute purpureis, capitulis dense stipatis?
Phryma	Leptostachya		Ibid.	

ANGIOSPERMIA.

Bartsia	coccinea		Virg. New York	Kalm's Trav. II. 222.
Rhinanthus	Virginianus	Elephant's head	Virginian	Ibid.
Schwalbea	Americana		Ibid.	
Pedicularis	Sceptri Carolini varietas		Ibid.	Gron. fl. virg. p. 93? P. caule simplici flor. capitatis, foliis pinnatifidis crenulatis?
Gerardia	purpurea		Virginia Canada	
	flava		Ibid.	
	pedicularia		Ibid.	
Chelone	glabra	Humming-bird tree, smooth	Ibid.	
	hirsuta	rough	Ibid.	
	Pentstemon	dichotomous	Virginia	
Antirrhinum	elatine	Snapdragon, Fluellin	Ibid.	
	triornithophorum	gigantic	Ibid.	
	canadense	Canada	Canada Virginia	
Scrophularia	Marylandica	Figwort Maryland	Maryland Virginia	
Digitalis	purpurea	Foxglove common	Canada	Kalm's Trav. I. 201.
Bignonia	Catalpa	Trumpet flower Catalpa	Carolina	Catesb. I. t. 49.
	sempervirens	yellow	Virginia	Catesb. I. t. 53. Yellow Jessamine.
	crucigera	crossed	Ibid.	
	pentaphylla?	five leaved	Bahamas	Catesb. I. t. 37.
	radicans	radicant	Virginia	The juice of this plant is said to be poisonous.
	cærulea	blue	Carolina	Catesb. I. t. 42.

Capraria gratioloides	Sweetweed Virginian	Virginia	
Erinus Africanus		Virginia Penſyl.	I place this plant here merely on Dr. Gronovius's authority, who poſitively corrects *Africa* in Linnæus's ſpecies pl. and puts *Virginia* and *Penſylvania* as the native country of this plant.
Canadenſis		Canada	Linn. Mantiſs. 88.
Linnæa borealis		Ibid.	Kalm's Trav. I. p. 138.
Obolaria Virginica		Virginia	
Orobanche Virginica	Broom rape Virginian	Ibid.	
uniflora	ſingle	Ibid.	
Mimulus ringens.	Dog's ſnout upright	Canada Virginia	
Ruellia ſtrepens		Virginia	
biflora		Carolina	
Vitex Agnus Caſtus	Chaſte tree	Ibid.	

CLASSIS XV.

TETRADYNAMIA.

SILICULOSA.

Draba verna		Virginia	
alpina		Ibid.	Gron. fl. virg. 98. Draba caule nudo, foliis hiſpidis.
Lepidium Virginicum	Dittander Virginian	Virginia	
Thlaspi Burſa paſtoris	Shepherd's purſe	Ibid.	Gron. fl. virg. p. 98.
Cochlearia Coronopus	Scurvy graſs pinnatifid	Ibid.	Gron. fl. virg. p. 98.

SILIQUOSA.

Cardamine hirſuta Virginica	Lady's ſmock, rough Virginian	Virginia Ibid.	

Sisy-

Sisymbrium Nasturtium	Water Cress, common		Virginia	
Sophia	Surgeons		Ibid.	Gron. fl. virg. p. 100.
Erysimum officinale	Hedge mustard	officinal	Ibid.	
Arabis alpina	Bastard Tower mustard	alpine	Ibid.	
thaliana		entire	Ibid.	
lyrata		lyrated	Canada	
Canadensis		smooth	Ibid.	
Bunias Cakile	Mountain Cale		Virginia Canada	Kalm's Trav. III. p. 211.

CLASSIS XVI.

MONADELPHIA.

DECANDRIA.

Geranium maculatum	Crane's bill, spotted		Virg. Car.	
Caroliniannum	Carolina		Car. Virg.	

POLYANDRIA.

Sida rhombifolia	Indian Mallow	rhomboid	Ibid.	
Abutilon		two horned	Ibid.	
crispa		crisped	Carolina, the Bahamas	
Napæa hermaphrodita			Virginia	
dioica			Ibid.	
Malva Caroliniana	Malow, Carolina		Carolina	
rotundifolia		round leaved	Virginia	
Abutiloides		abutiloid	Bahamas	Omitted in the last edition of the Systema Naturæ Linn.
Hibiscus Moscheutos	Hibiscus,	petiolated	Canada Virginia	The root is a paregoric.
paluſtris		marsh	Ibid.	
Virginicus		Virginian	Ibid.	

GORDONIA	Lasianthus	Loblolly bay	Virg. Car.	Ellis Phil. Transf. vol. LX. Catesb. I. t. 44. *Hypericum Lasianthus* Linn. Syst. ed. XII. p. 509.
STEWARTIA	Malacodendron		Virginia	Catesb. app. t. 13.

CLASSIS XVII.

DIADELPHIA.

HEXANDRIA.

FUMARIA	Cucullaria	Fumitory, naked	Virginia	
	sempervirens	evergreen	Ibid.	

OCTANDRIA.

POLYGALA	incarnata	Milkwort, flesh coloured	Virginia Canada	
	Senega	Rattle snake root	Canada Pensylv. Virginia	This root is an excellent specific against the bite of the rattle snake, and used as such, by the Indians who call it Senega. See Linn. Amoen. Acad. 2. p. 139. t. 2. and Kalm's Trav. III. p. 5.
	lutea	yellow	Virginia	
	virideſcens	greeniſh	Ibid.	Gron. fl. virg. 104. P. fol. oblongis ? is perhaps a variety of this.
	ſanguinea	ſanguinea	Ibid.	Gron. fl. virg. 104. P. foliis Linearibus, capitulis ſubrotundis
	verticillata	verticillated	Ibid.	
	cruciata	cruciated	Ibid.	

DECANDRIA.

ERYTHRINA	herbacea	Coral tree, herbaceous	Carolina Louiſiana	Catesb. II. 49.

AMORPHA

AMORPHA fruticosa	Bastard Indigo, frutescent	Carolina	
CROTALARIA perfoliata		Ibid.	
sagittalis		Virginia	
alba		Carolina	
LUPINUS perennis	Lupine, perennial	Virginia	Kalm's Trav. ii. p. 155. Disliked by cattle.
PHASEOLUS helvolus	Kidney-bean, carolina	Carolina	
DOLICHOS regularis		Virginia	
polystachios		Ibid.	
GLYCINE monoica	Kidney-bean tree, apetalous	Ibid.	
comosa	lateral	Ibid.	
tomentosa	tomentose	Ibid.	
apios	tuberous	Ibid.	Its Indian name is *Hopnis*; they used to eat its roots.
frutescens	frutescent	Carolina	
CLITORIA virginiana		Virginia	
mariana		Ibid.	
PISUM maritimum	Pea, sea-side	Canada	Kalm's Trav. iii. p. 201.
VICIA sylvatica?	Vetch, wood	Virginia	Gron. Fl. Virg. p. 105. Vicia pedunculis multifloris, petiolis cirrhiferis, stipulis quaternis acuminatis, caule fruticoso? is perhaps a variety.
sativa	common	Ibid.	
ROBINIA pseudacacia	Locust-tree, uniflorous	N. Amer.	
hispida	hispid	Carolina	Catesb. app. t. 20.
HEDYSARUM canadense	Honeysuckle vetch, canada	Vir. Can.	
canescens	canescent	Virginia	
marilandicum	maryland	Car. Mar.	
frutescens	frutescent	Virginia	
viridiflorum	green-flowered	Ibid.	
violaceum	violet	Ibid.	
paniculatum	paniculated	Ibid.	
nudiflorum	naked	Ibid.	
repens	creeping	Virginia	
hirtum	rough	Virginia	
alpinum	alpine	Virginia	Gron. fl. virg. p. 109.
GALEGA virginiana	Goat's Rue, virginian	Virginia	Gron. fl. virg. p. 111. Cracca. Perhaps the vicia foliis pinnatis abruptis Gron. fl. virg. p. 106. is a mere variety of this plant.

ASTRA-

ASTRAGALUS carolinianus	Milk-vetch,	carolina	Carolina	
canadenſis		canada	Can. Vir.	
TRIFOLIUM M. officinalis	Trefoil,	officinal melilot	Virginia	
reflexum		reflected	Virginia	
repens		creeping	Virginia	Kalm's Trav. ii. 157.
alpinum?		alpine	Virginia	An Gron. fl. virg. 110. Trifolium caule ſimpliciſſimo erecto vix ramoſo, foliis lanceolato-linearibus hirſutis floſculis faſciculatis terminatricibus?
arvenſe		field	N. Amer.	
biflorum		biflorous	Vir. Can.	
MEDICAGO virginica	Snail Trefoil,	virginian	Virginia	
lupulina		ſingle-ſeeded	Virginia	

CLASSIS XVIII.

POLYADELPHIA.

POLYANDRIA.

HOPEA tinctoria			Carolina	Cateſb. i. t. 54. Linnæus ſays, this figure is a bad one. Its root is a ſtomachic, and a remedy againſt colds.
HYPERICUM kalmianum	St. John's wort,	Kalm's	Virginia	
calycinum		calycine	N. Amer.	Linn. Mantiſſ. p. 106.
aſcyron		tutſan	Canada	
prolificum		prolific	N. Amer.	Linn. Mantiſſ. p. 116.
virginicum		virginian	Penſylv.	
canadenſe		canada	Canada	
mutilum		ſeſſile	Vir. Can.	
fetoſum		briſtly	Ibid.	
ASCYRUM crux Andreæ	St. Andrew's wort,	dichotomous	Ibid.	
hypericoides		double-edged	Ibid.	
villoſum		hairy	Ibid.	

CLAS-

CLASSIS XIX.

SYNGENESIA.

POLYGAMIA ÆQUALIS.

TRAGOPOGON	dandelion	Goat's beard, dandelion	Virginia	
	virginicum	virginian	Vir. Can.	
SONCHUS	canadenſis	Sow-thiſtle, Canada	Can. Vir.	
	oleraceus	common	Virginia	Gron. fl. virg. 115.
	floridanus	haſtated	Vir. Can.	
LACTUCA	canadenſis	Lettuce, canadian	Canada	
PRENANTHES	altiſſima	Wild lettuce, tall	Vir. Can.	
	alba	white	Car. Virg Penſylv.	
	β.		Ibid.	Is called Dr. Witt's ſnake-root, and affords an inſtantaneous cure for the bite of the rattle-ſnake. *Clayt.*
LEONTODON	Taraxacum	Dandelion, common	Virginia	
HIERACIUM	venoſum	Hawkweed, veiny	Virginia	
	Gronovii	obovated	Virginia	
	paniculatum	paniculated	Canada	
	Kalmii	Kalm's	Penſylv.	
HYOSERIS	virginica	Swine ſuccory, virginian	Virginia	
ARCTIUM	lappa	Burdock, common	Vir. Can.	Kalm's Trav. iii. 27.
SERRATULA	novebracenſis	Saw-wort, pendulous	All N. Amer.	
	prælta	tall	N. Amer.	
	glauca	corymboſe	N. Amer.	
	ſquarroſa	ſquarroſe	Virginia	
	ſcarioſa	ſcarious	Ibid.	
	ſpicata	ſpiked	Ibid.	Its root is a good diſcuſſive remedy, and has thence got its name of *Throat-wort.*
CARDUUS	acanthoides?	Thiſtle pedunculated	Ibid.	Gron. fl. virg. p. 117. C. foliis ſinuatis decurrentibus.
	altiſſimus	tall	Carolina	

CARDUUS virginianus crispus	Thistle, virginian	crisped	Virginia Canada	Kalm's Trav. iii. p. 294.
CARLINA acaulis?	Carline thistle		Ibid.	Gron. fl. virg. p. 117. Carlina.
BIDENS tripartita frondosa	Spanish needle, trifid	smooth	Ibid. N. Amer.	Perhaps the Bidens aquatica humilior, &c. in Gron. fl. virg. p. 118. is a variety of this species.
bipinnata		bipinnated	Pensylv.	Kalm's Trav. i. p. 171. They call this species *Spanish needles* likewise.
nivea		white	Carolina	
CACALIA suaveolens	Alpine	Colt's-foot, sweet-scented	Vir. Can.	
atriplicifolia		orach-leaved	Ibid.	
EUPATORIUM hyssopifolium	Hemp-agrimony, hyssop-leaved		Virginia	
scandens		twining	Ibid.	
sessilifolium		sessile	Ibid.	
rotundifolium		round-leaved	Ib. & Can.	
altissimum		gigantic	Pensylv.	
trifoliatum		ternated	Virginia	
purpureum		purple	N. Amer.	
maculatum		spotted	N. Amer.	
perfoliatum		perfoliated	Virginia	
ivæfolium		subserrated	Ibid.?	The Euparorium foliis ovato lanceolatis simplicibus obtuse serratis in Gron. fl. virg. p. 120. seems to answer to Linnæus's description of the *Eupatorium ivæfolium*.
cœlestinum		sky-blue	Virginia	
aromaticum		aromatic	Virginia	
AGERATUM altissimum	Bastard hemp-agrimony, tall		Can. Vir.	
CHRYSOCOMA grami-nifolia	Golden locks		Canada	

POLYGAMIA SUPERFLUA.

ARTEMISIA campestris	Mugwort, field		Virginia	
GNAPHALIUM obtusifolium	Cudweed, obtuse-leaved		Virginia Pensylv.	

GNA-

GNAPHALIUM margaritanum	Cudweed everlasting		N. Amer.	Kalm's Trav. i. p. 130. A decoction of this plant is employed to bathe any bruised limbs, or the plant itself is used, to rub the part so afflicted. It is called *life everlasting*.
plantaginifolium	Plantain-leaved		Virginia	White Plantain
purpureum		purple	Ibid.	
uliginosum		marsh	Ibid.	Gron. fl. virg. p. 121. Gnaphalium caule ramoso diffuso.
BACCHARIS halimifolia	Plowman's Spikenard, orach leaved		Virginia	
ivæfolia		lanceolated	Ibid.	
foetida		stinking	Ibid.	
CONYZA Asteroides	Fleabane, radiated		N. Amer.	
virgata		virgated	Carolina	
bifrons			Canada	
ERIGERON Carolinianum			Carolina	
Canadense			Canada Virginia	
Philadelphicum			Canada Penfylv.	Gron. fl. virg. p. 122? Erigeron caule simpliciſſimo ſæpius biſloro, folio caulino amplexi cauli.
camphoratum			Virginia	
SENECIO hieracifolius	Ragwort		N. Amer.	
vulgaris		common	Virginia	
Canadensis		Canada	Canada	
Jacobæa		Jacobæa	Virginia	
aureus		golden	Virginia Canada	
saracenicus		broad leaved	Ibid.	I imagine what Gronovius in his fl. virg. p. 125. describes by the name of Senecio foliis ovatis inæqualiter dentatis, &c. must be only a variety of this plant.
ASTER divaricatus	Starwort divaricated		Virginia	

ASTER hyſſopifolius	hyſſop leaved	N. Amer.	Linn. Mantiſs. p. 114.
dumoſus	daiſy flowered	Virginia	
ericoides	heath	N. Amer.	
linarifolius	mucronated	Ibid.	Gron. fl. virg. p. 125, A. ramoſis petiolis foliosis &c.
linifolius	flax leaved	N. Amer.	
concolor	purple	Virginia	
rigidus	ſtiff-leaved	Ibid.	
undulatus	undulated	Ibid.	
Novæ Angliæ	New England	New Eng.	
cordifolius	cordated	N. Amer.	
puniceus	red ſtalked	Ibid.	
annuus	annual	Canada	
vernus	vernal	Virginia	
lævis	ſmooth	N. Amer.	
mutabilis	variable	Ibid.	
tradeſcanti	Tradeſcant's	Virginia	
Novi Belgii	New York	N. York Penſylv. Virginia	
tardiflorus	late flowering	N. Amer.	
grandiflorus	great flowered	Ibid.	
macrophyllus	great leaved	Ibid.	Gron. fl. virg. p. 125? A foliis cordatis, acutis ſerratis, petiolatis, ſummis ovatis, &c.
SOLIDAGO ſempervirens	Golden rod, ever green	New York Canada	
Canadenſis	Canada	Virginia Canada	
altiſſima	gigantic	N. Amer.	
lanceolata	lanceolata	Ibid.	Linn. Mantiſs. p. 114.
lateriflora	lateral	Ibid.	
bicolor	two coloured	Ibid.	
cæſia	blue	Ibid.	Linn. Mantiſs. p. 114.
Mexicana	Mexican	Virginia	
flexicaulis	twiſted	Canada Virginia	
latifolia	broadleaved	Canada	
rigida	rigid	New Eng. Penſylv.	

Solidago	Noveboracenſis	Golden rod, New York	New York	
Inula	Helenium	Elecampane, common	Virginia	
	Mariana	Maryland	N. Amer.	
Arnica	maritima		Ibid.	
Doronicum	plantagineum ?	Leopard's bane, plaintain leaved	Virginia	Gron. fl. virg. p. 126. D. foliis cordatis crenatis, &c.
Helenium	autumnale	Baſtard ſun-flower	N. Amer.	
Chrysantheum	leucanthemum	Corn Marygold white	Ibid.	
	arcticum	arctic	Ibid.	
Matricaria	aſteroides	Fever few, aſteroid	Penſylv.	Bartram Linn. Mantiſs. 116.
Anthemis, Cotula		Chamomile, common	Virginia	Gron. fl. virg. p. 127.
Achillæa	Millefolium	Milfoil common	Ibid.	
Sigesbeckia	occidentalis		Ibid.	
Verbesina	Virginica	White ſtick weed	Ibid.	
	alba		Ibid.	
Bupthalmum	fruteſcens	Ox-eye, fruteſcent	Ibid.	
	Helianthoides	ovated	N. Amer.	

POLYGAMIA FRUSTRANEA.

Helianthus	multiflorus	Sun-flower multiflorous	Virginia
	tuberoſus	tuberous	Ibid.
	frondoſus	frondoſe	Ibid.
	decapetalus	ten leaved	Canada
	ſtrumoſus	long rooted	Ibid.
	altiſſimus	tall	Penſylv.
	giganteus	gigantic	Virginia Canada
	lævis	ſmooth	Virginia
	anguſtifolius	narrow leaved	Ibid.
	divaricatus	divaricated	N. Amer.
	atrorubens	purple	Virginia Carolina
Rudbeckia	laciniata	Rough leaved Sun flower laciniated	Virginia Canada
	triloba	trilobated	Ibid.

RUDBECKIA	hirta	hairy	Virginia Canada	
	purpurea	purple	Virginia Carolina	
	oppositifolia	oppofite	Virginia	
	anguſtifolia	narrow leaved	Ibid.	
COREOPSIS	verticillata	Tick ſeeded ſun-flower verticillated	Ibid.	
	coronata	crowned	Ibid.	
	Bidens	bidentated	Penſylva.	
	auriculata	auriculated	Virginia	
	tripteris	ternated	Ibid.	
	lanceolata	lanceolated	Carolina	Gron. fl. virg. 132. C. foliis linearibus integerrimis ?
	alternifolia	alternate	Canada Virginia	
CENTAUREA	benedicta	Centaury Bleſſed Thiſtle	Virginia	Gron. fl. virg. p. 117. Cnicus caule diffuſo, &c.
	Calcitrapa	Star Thiſtle	Virginia	

POLYGAMIA NECESSARIA.

SILPHIUM	laciniatum	Steril Sun-flower laciniated	Louiſiana	
	perfoliatum	perfoliated	Ibid.	
	Aſteriſcus	aſteriſk	Virginia Carolina	
	ſolidaginoides	lanceolated	Ibid.	
	trifoliatum	three leaved	Ibid.	
POLYMNIA	Canadenſis		Canada	
	Uvedalia		Virginia	
	Tetragonotheca	Melon apple-flower	Ibid.	Gron. fl. virg. p. 128. Sp. pl. 1273. *Tetragonotheca helianthoides.*
CHRYSOGONUM	virginianum		Ibid.	

POLYGAMIA SEGREGATA.

ELEPHANTOPUS	ſcaber	Elephant's foot, rough	Virginia	
	tomentoſus	woolly	Ibid.	

MONOGA-

MONOGAMIA.

Lobelia plumierii		Bahamas	Cateſb. i. t. 79.
kalmii		Canada	
Cardinalis		Virginia Penſylv.	Kalm's Trav. ii. 222.
ſiphilitica		Ibid.	This is one of the ſpecifics againſt the venereal diſeaſe.
inflata		Virginia Canada	
cliffortiana		Ibid.	
Viola palmata	Violet palmated	Ibid.	
pedata	pedated	Ibid.	
lanceolata	lanceolated	Canada Nov. Sco.	
primulifolia	cowſlip	Virginia	
canina	dog's	Ibid.	
Canadenſis		Canada	
Impatiens Nolitangere		Canada Virginia	A mere variety of this ſeems to be the Impatiens foliis profunde ſerratis, caule luteſcente in Gron. fl. virg. 136.

CLASSIS XX.

GYNANDRIA.

DIANDRIA.

Orchis ciliaris	Orch, ciliated	Virginia Canada	
flava	yellow	Virginia	
pſycodes	Canada	Virginia Canada	
ſpectabilis	beautiful	Virginia	
bifolia?	two leaved	Ibid.	
Ophrys cernua	Twyblade cernuous	Virginia Canada	
linifolia	flax leaved	Ibid.	
Corallorhiza	Coral root	Ibid.	
Limodorum tuberoſum	Baſtard Helleborine	Ibid.	

ARETHUSA bulbosa		Virginia Canada	
ophioglossoides		Ibid.	
divaricata		Ibid.	Catesb. i. p. 58. t. 58.
CYPRIPEDIUM Calceolus	Lady's Slipper	Ibid.	Moccasine.
EPIDENDRUM		Ibid.	Epidendrum caule erecto simpliciſſimo nudo, racemo simplici erecto Gron. fl. virg. 140. I know not to what Linnæan ſpecies of Epidendrum to refer this deſcription.

TRIANDRIA.

SISYRINCHIUM Bermudiana		Virginia Bermud.	

PENTANDRIA.

PASSIFLORA cuprea ?	Paſſion flower, coppery	Bahama Iſlands	Cateſb. ii. t. 93.
maliformis ?	apple ſhaped	Tortugas or Turtle Iſlands upon the Coaſt of Florida	
lutea	yellow	Virginia	
incarnata	fleſh coloured	Ibid.	
ARISTOLOCHIA Serpentaria	Birthwort, ſnake root	Ibid.	Its root is not only a remedy for the bite of ſnakes, but likewiſe faſcinates and kills them ?
Anguicida		Louiſiana	Boſſu. Has the ſame quality as the preceding one.
PISTIA Stratiotes	Waterleek ?	Florida	Bartram. Journ.

POLYANDRIA.

ARUM triphyllum	Wake-robin, triphyllous	Virginia	
virginicum	virginian	Virginia	Kalm's Trav. i. 125 *Taw-ho*, *Tuckahoo*, *Taw-him*, the Indian names.
auritum?	eared	Ibid.?	Gron. fl. virg. 142. Arum caulescens, foliis ternatis?
DRACONTIUM fœtidum	Pole-cat weed, Skunk weed,	Virg. Car.	Cateſb. ii. 71. Kalm's Trav. i. p. 90.
ZOSTERA marina	Graſswrack. Sea oat?	Atlantic Ocean	Gron. fl. virg. 142.

CLASSIS XXI.

MONOECIA.

MONANDRIA.

ZANNICHELLIA paluſtris	Triple-headed Pondweed	Virginia	
ELATERIUM trifoliatum	Spring-gourd, virginian	Virginia	Gron. fl. virg. 154. *Sicyos* foliis ternatis.

DIANDRIA.

LEMNA minor	Duck-meat, leſſer	Virginia

TRIANDRIA.

TYPHA latifolia	Reed-mace, or Cat's tail	N. Amer.	In Virginia the poorer people eat it, and are very fond of it, becauſe it has a ſweetiſh taſte.
SPARGANIUM erectum	Burr-reed	Virginia	
ZEA mays	Maize, or Indian corn		
COIX lacryma Jobi	Job's tear graſs	Ibid.	

TRIP-

TRIPSACUM dactyloides	Seſame graſs		Gron. fl. virg. 144. Coix ſeminibus angulatis.
CAREX panicea	Sword-graſs, inflated	Ibid.	
pſeudo cyperus	cyperus-like	Ibid.	
folliculata	folliculated	Canada	
		Virginia	Gron. fl. virg. 144. Carex caule umbellato, pedunculis ſpicatis.
PHYLLANTHUS epiphyllanthus	Sea-ſide Laurel	Baha. Iſles	Cateſb. ii. t. 26.

TETRANDRIA.

BETULA nigra	Birch, black	Vir. Can.	Its bark has the ſame taſte as the rattleſnake root, or Polygala Senegal, *Linn.*
lenta	cordated	Ibid.	Kalm's Trav. i. p. 69.
pumila	american dwarf	Ibid.	Kalm's Trav. i. p. 138. Betula nana.
alnus	alder	Ibid.	Kalm's Trav. ii. 90.
URTICA pumila	Nettle, ſmall	Ibid.	
cylindrica	cylindrical	Ibid.	
capitata	capitated	Canada	
divaricata	divaricated	Vir. Can.	
canadenſis	canada	Ibid.	
urens ?	burning	Ibid.	Gron. fl. virg. p. 146.
MORUS rubra	Mulberry, red	Ibid.	Kalm's Trav. i. p. 68.
tinctoria	fuſtick wood	Florida	Stork's Florida.

PENTANDRIA.

XANTHIUM ſtrumarium	Leſſer Burdock	Virginia	
AMBROSIA trifida		Vir. Can.	
elatior		Ibid.	
artemiſifolia		Ib. Penſyl.	
PARTHENIUM integrifolium	Baſtard Feverfew	Ibid.	
IVA fruteſcens	Falſe Jeſuits bark	Ibid.	
AMARANTHUS lividus	Amaranth, livid	Ibid.	
albus	white	Penſylv.	
græcizans	lanceolated	Virginia	
hybridus	hybrid	Ibid.	
ſanguineus	bloody	Baha. Iſles	
hypochondriacus	purple	Virginia	
retroflexus	recurvated	Penſylv.	

HEX-

HEXANDRIA.

ZIZANIA aquatica	Water-oats, Taregrafs	N. Amer.	Eaten by the Indians as rice; it grows in ſwamps.

POLYANDRIA.

SAGITTARIA ſagittifolia	Water Arrow-head	N. Amer.	Kalm's Trav. ii. p. 97. Its roots are eaten by the Indians, who call them *Katniſs*.
QUERCUS phellos	Oak, willow	Virg. Car.	Kalm's Trav. i. p. 66. Cateſb. i. t. 16.
prinus	cheſnut	Ibid.	Kalm's Trav. i. p. 66. Cateſb. i. t. 18.
nigra	black	Ibid.	Cateſb. i. t. 19. 20.
rubra	red	Ibid.	Cateſb. i. t. 23. & t. 21. f. 2. Kalm's Trav. i. p. 66. 68.
alba	white	Ibid.	Cateſb. i. t. 21. f. 1. Kalm's Trav. i. p. 65.
JUGLANS alba	Hiccory, white walnut	N. Amer.	Cateſb. i. t. 38.
cinerea	cinereous	Ibid.	
nigra	black	Ibid.	Cateſb. i. t. 67.
FAGUS caſtanea	Cheſnut-tree	Ibid.	Kalm's Trav. i. p. 67. Bartram. Journ.
pumila	Chinquapin buſh	Ibid.	Kalm's Trav. iii. p. 296. Cateſb. i. t. 9.
ſylvatica	Common Beech	Ibid.	Kalm's Trav. i. p. 69. Gron. fl. virg. 150.
CARPINUS betulus	Hornbeam, common	Ibid.	Kalm's Trav. i. p. 68. & Gron. fl. virg. 151.
oſtrya	Iron-wood	Ibid.	Kalm's Trav. i. p. 68. & Gron. fl. virg. 151.
CORYLUS avellana	Hazel, filbert	Ibid.	
PLATANUS occidentalis	Plane-tree, occidental	Ibid.	Kalm's Trav. i. p. 62. Cateſb i. t. 56.
LIQUIDAMBAR ſtyraciflua	Sweet gum-tree	Ibid.	Cateſb. ii. t. 65. Kalm's Trav. i. 67. ii. 61.
perigrina		Ibid.	

ADELPHIA.

PINUS ſylveſtris	Fir	N. Amer.	Kalm's Trav. i. 360.
tæda	black pine	N. Amer.	

PINUS

PINUS ſtrobus	Fir, white pine, weymouth pine	N. Amer.	
balſamea	hemlock ſpruce fir		
larix?	larch	N. Amer.	Gron. fl. virg. ? 153. Abies.
canadenſis	canada	N. Amer.	
abies	ſcotch fir	N. Amer.	Kalm's Trav. i. 360.
THUJA occidentalis	Arbor vitæ	Can. Vir.	
Cupreſſus diſticha	Cypreſs, american white cedar	Ib. & Car.	Cateſb. i. t. 11.
thyoides		Can. Penſ.	Kalm's Trav. ii. 174.
ACALYPHA virginica		Virginia	
CROTON caſcarilla	Ilathera bark	Bahamas	Cateſb. ii. t. 46.
		Virginia	Gron. fl. virg. 153. Croton fol. cordatis, ſerratis, petiolatis alternis.
JATROPHA urens	Phyſic-nut, burning	Virginia	
RICINUS	Palma Chriſti?	Virginia	Gron. fl. virg. 153. Ricinus foliis maximis.
STILLINGIA ſylvatica		Carolina	D. Garden. Is a ſpecific againſt the Siphilitis or venereal diſeaſe.
HIPPOMANE manci-nella	Manchineel-tree	Baha. Iſles	Cateſb. ii. t. 95.

SYNGENESIA.

SICYOS angulata	Single-ſeeded Cucumber	Canada	

CLASSIS XXII.

DIŒCIA.

MONANDRIA.

SALIX	Willow	Virginia	Salix vulgaris. Clayt. Gron. fl. virg. 154.

TETRANDRIA.

VISCUM rubrum	Miſſetoe, red	Carolina	Cateſb. ii. t. 81.
purpureum	purple	Ibid.	Ibid. t. 95.

VIS-

Viscum terreſtre	Miſletoe, ground	Penſylv.	
Hippophae canadenſis	Sea-Buckthorn	Canada	
Myrica Gale	Gale, common	Ibid.	Kalm's Trav. i. 138.
cerifera	Candleberry Myrtle	N. Amer.	Cateſb. i. t. 13. & t. 69. The berries of this ſhrub are uſed to extract from them tallow for candles.

PENTANDRIA.

Zanthoxylum clava Herculis	Toothach-tree	Virg. Car.	Cateſb. i. t. 26. Gron. virg. p. 47.
Iresine celoſioides		Virginia	
Acnida cannabina	Indian Hemp	Virginia	
Humulus lupulus	Hop	Virginia	
Smilax ſarſaparilla	Rough Bindweed, ſarſaparilla	Virginia	
rotundifolia	round-leaved	Canada	Cateſb. i. t. 15.
laurifolia	laurel-leaved	Virg. Car.	
tamnoides	briony-leaved	Ibid.	Ibid. t. 52.
caduca	ovated	Canada	
bona nox	ſpine-leaved	Carolina	
herbacea	herbaceous	Vir. Mary	
lanceolata	lanceolated	Virginia	
pſeudo china	falſe china-root	Virginia	
Dioscorea villoſa		Virg. Flor.	

OCTANDRIA.

Populus nigra	Poplar, black	Virginia	Kalm's Trav. ii. 251.
balſamifera	tacamahaca	N. Amer.	Cateſb. i. t. 34.
heterophylla	cordated	Virginia	
tremula	aſpen	Ibid.	Gron. fl. virg. 157.

DODECANDRIA.

Datisca hirta	Baſtard hemp	Penſylv.	
Menispermum canadenſe	Moonſeed, Canadian	Vir. Can.	
virginicum	virginian	Ibid.	
carolinum	carolina	Carolina	

MONO-

MONADELPHIA.

JUNIPERUS virginiana	Juniper, red cedar	N. Amer.	Kalm's Trav. ii. p. 180.
TAXUS baccata	Yew-tree, berry-bearing		
CISSAMPELOS ſmilacina	Baſtard ſmilax	Carolina	Cateſb. i. 51.

CLASSIS XXIII.

POLYGAMIA.

MONŒCIA.

CELTIS canadenſis	Nettle-tree	Virginia, Flor. Can.	Kalm's Trav. i. 69.
VERATRUM album	White hellebore		
luteum	Unicorn's horn. Rattle-ſnake root	Virginia	
ANDROPOGON divaricatum	Beard graſs, divaricated	Virginia	
nutans	bent	Virginia	
alopecuroides		N. Amer.	
virginicum	virginian	Virginia	
bicorne	two-horned	Virginia	
hirtum	hirſute	Virginia	
HOLCUS laxus	Soft graſs, filiform	Vir. Can.	
ſtriatus	ſtriated	Virginia	
CENCHRUS tribuloides	Hedge-hog graſs	Virginia	
ATRIPLEX halimus	Orach, common	Virginia	
laciniata	laciniated	Virginia	
CLUSIA roſea	Balſam-tree,	Carolina	Cateſb. ii. t. 99.
ACER rubrum	Maple, red	Vir. Penſ.	Cateſb. i. t. 62.
ſaccharinum	ſugar	Penſ. Can.	
penſylvanicum	penſylvanian	Penſylv.	
negundo	aſh-leaved	Vir. Penſ.	
MIMOSA circinalis	Senſitive plant, ſpiral	Bahamas	Cateſb. ii. t. 97.
glauca	blueiſh	Ibid.	Ibid. t. 42.

DIŒCIA.

GLEDITSIA triacanthos	Three-thorned Acacia	N. Amer.	Cateſb. i. t. 43.

FRA-

Fraxinus americana	Aſh, american	Car. Virg.	Cateſb. i. t. 08.
excelſior	common	Ibid.	Kalm's Trav. i. p. 68.
Diospyros virginiana	Perſimon-tree	N. Amer.	Cateſb. ii. t. 76.
Nyssa aquatica	Tupelo-tree	N. Amer.	Cateſb. i. t. 41. & t. 60.
Panax quinquefolium	Ginſeng root	Virginia, Penſylv. Louiſiana, Canada	This is the root ſo much in requeſt with the Chineſe. See Oſbeck's voy. i. p. 222. From ſome imaginary reſemblance of its root with the human body, the Indians call it *Garent-Oguen*, i. e. human thighs.
trifolium		Virginia	

TRIŒCIA.

Ficus indica		Baha. Iſles	Cateſb. app. t. 18.

CLASSIS XXIV.

CRYPTOGAMIA.

FILICES.

Equisetum arvenſe	Horſe-tail, field	Virginia	
hyemale	winter	Ibid.	
Onoclea ſenſibilis		Ibid.	
Osmunda virginiana	Flowering Fern, virginian	Ibid.	
claytoniana	pinnatifid	Ibid.	
regalis	royal	Ibid.	
cinnamomea	cinnamon	Maryland	
Acrostichum polypodioides		Virginia	
areolatum		Ibid.	
platyneuron		Ibid.	
Pteris caudata	Brakes, tailed	Ibid.	
atropurpurea	purple	Ibid.	
Lonchitis		Ibid.	Gron. fl. Virg. p. 166. Lonchitis parva, foliis ad baſin auriculatis, alternatim coſtæ nigræ ſplendenti affixis.

Asple-

ASPLENIUM rhizophyllum	Spleen-wort, radicant	Vir. Can.	
POLYPODIUM virginianum	Polypody, virginian	Ibid.	
aureum?	golden	Ibid.	Gron. fl. virg. p. 164. Osmunda frondibus pinnatis, foliolis omnibus connatis, &c.?
lonchitis	spleenwort	Virginia	
cicutarium	laciniated	Virginia	
noveboracense	New York	Canada, & N. York	
marginale	marginal	Canada	
bulbiferum	bulbous	Ibid.	
decussatum	striated	Ibid.	Gron. fl. virg. p. 167.
ADIANTUM pedatum	Maiden-hair, american	Can. Vir.	Kalm's Trav. iii. p. 118. Is good against colds and coughs.
		Virginia	Adiantum foliis subtus lanatis. Gron. fl. virg. 167.

MUSCI.

LYCOPODIUM rupestre	Club-moss, rock	Virg. Can.	
alopecuroides	fox-tail	Ibid.	
obscurum	obscure	Pensylv. Bl. Mount	Gron. fl. virg. 168.
carolinianum	carolina	Carolina	
selago	dichotomous	Virginia	
apodum	creeping	Car. Vir. Pensylv.	
		Virginia	Gron. fl. virg. 168. L. trichotomum, clava depressa.
PORELLA pinnata		Pensylv.	
SPHAGNUM palustre	Bog-moss, common	Virginia	
		Ibid.	Gron. flor. virg. 168. Sphagnum caulibus ramosis, &c.
PHASCUM cauleſcens		Pensylv.	
POLYTRICHUM commune	Golden Maiden-hair	Virginia	
MNIUM fontanum		Virginia	
polytrichoides		Virginia	Gron. fl. virg. p. 169. Polytrichum.
BRYUM pomiforme		Virginia	

BRYUM

Bryum heteromallum		Virginia
scoparium		Ibid.
tortuosum		Ibid.
viridulum		Ibid.
		Ibid. See Gron. fl. virg. 170. where several species of Bryum are obscurely described.
Hypnum taxifolium		Virginia
filicinum		Ibid.
proliferum		Ibid.
delicatulum		N. Amer.
crista castrensis		Pensylv.
abietinum		Virginia
purum		Ibid.
curtipendulum		N. Amer.
illecebrum		Ibid.
serpens		Virginia
julaceum		Ibid.
		Ibid. In Gron. fl. virg. 171. 172. are some more species and varieties of this genus.

ALGÆ.

Jungermannia dilatata		N. Amer.
platyphylla		N. Amer.
furcata		N. Amer.
Marchantia cruciata		N. Amer.
tenella		Virginia
Anthoceros lævis		N. Amer.
Lichen caninus	Liverwort, canine	Virginia
proboscideus	rostrated	Pensylv.
cocciferus	cocciferous	Virginia
cornucopioides	cornucopiæ	Ibid.
pyxidatus	orenulated	Ibid.
rangiferinus	rein-deer	Ibid.
paschalis	crustaceous	Pensylv.
plicatus	folded	Virginia
barbatus	bearded	Ibid.
floridus	florid	Ibid.
		Ibid. Gron. flor. virg. 173. Lichen purpurascens lusitanicus, &c.

		Virginia	Gron. flor. virg. 173. Lichen olivaceus ſcutellis lævibus.
		Ibid.	Gron. flor. virg. 174. Lichenoides foliis glaucis crinitis, &c.
Ulva inteſtinalis		Ibid.	
		Ibid.	Gron. flor. virg. 174. Ulva filiformis ſubramoſa æqualis.
		Ibid.	Gron. flor. virg. 174. Ulva ſubrotunda, tubuloſa, conglomerata.
Conferva		Ibid.	Gron. flor. virg. 174. Conferva recta ramoſa, ſetacea, lævis. Greedily eaten by the deer in ſummer.
		Ibid.	Gron. flor. virg. 174. Conferva recta, ramoſiſſima, ramulis hinc inde coadunatis.

FUNGI.

Boletus igniarius	Punk	Virginia	Is uſed in America, as in Europe, as tinder for lighting fire; and grows chiefly on the Hiccory-tree.
Phallus eſculentus	Moril	Virginia	
Peziza lentifera	Cup Muſhroom	Virginia	
Clavaria militaris	Club Muſhroom	Virginia	
ophioglosſoides varietas?		Carolina	Cateſb. i. t. 36.
Lycoperdon tuber	Truffles	Virginia	Kalm. The Indians in Virginia call it Tuckahoo. *Clayt.*

N. B. There are many other ſpecies of Fungi in *North America*, as appears from Gronovius's Flora Virginica, p. 175. 176.; but they are all ſo ſuperficially deſcribed, that it is impoſſible to claſs them according to the Linnæan genera.

APPEN-

APPENDIX.

PALMÆ.

CHAMÆROPS humilis	Palmetto	Florida	Bartram. Journ.
ARECA oleracea	Cabbage-tree	Ibid.	Bartram. Journ. Its pith serves for making *Sagoe* in America; at the top of the tree are some leaves which taste as well or rather better than cabbage.

FINIS.

2819-213